



General Wojciech Jaruzelski with Pope John Paul II at the end of his visit to Poland.

Pope's Polish Visit Delighted Many, Annoyed a Few

By Michael T. Kaufman
New York Times Service
WARSAW — During his week in Poland, Pope John Paul II grew steadily bolder as he challenged the government to prove its assertions of reform, pressed priests to identify with the aspirations of Solidarity and urged society to persist in patient pursuit of liberty.

ally all Poles. The church hierarchy based in Warsaw and led by Cardinal Jozef Glemp had been hoping that the pope would avoid political... The government's reaction was apparent in General Jaruzelski's farewell statement on Sunday at the Warsaw airport. He fairly bristled with frustration as he declared that, in recent days, his country had been disparaged by foreign libel.

statement Sunday, declaring: "We don't live in a free country and our voices cannot always be heard and therefore the pope spoke about us and to us — as he himself undertook — for us."
And while Lech Walesa, the leader of the union movement, is not commenting publicly about his 40-minute talk with John Paul, people close to him say that his mood has shifted in the last week from something approaching despair to hopeful enthusiasm.

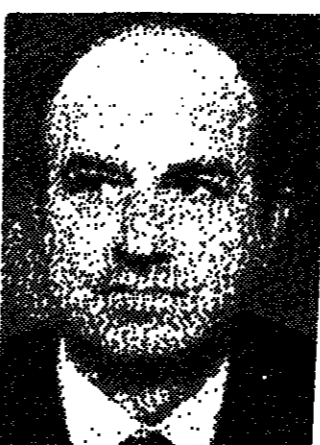
Campaign to Replace FAO Chief Widens

By Paul Lewis
New York Times Service
ROME — The United States, Britain and several other mainly Western nations have opened a campaign to replace the head of the United Nations Food and Agriculture Organization, whom they accuse of mismanaging the organization and pursuing anti-Western policies, according to Western diplomats.

not reached for comment, but a Food and Agriculture Organization spokesman denied the charges against Dr. Saouma, saying that under his direction the organization has become more efficient and more oriented toward helping poor countries.
In the organization's latest annual report, Dr. Saouma defends himself against the charges. In particular, he stresses that in Asia, "food self-sufficiency is close at hand," although 20 years ago "the prospect of that area ever producing sufficient food looked bleak."

Vergès Ends Barbie Case In Single Day

The Associated Press
LYON — The defense for Klaus Barbie, the former Gestapo chief of Lyon, presented and concluded its case in one day Monday, compared with the five weeks of presentations by about 90 prosecution and civil party witnesses.



Dr. Edouard Saouma

Before Barbie's defense attorney, Jacques Vergès, began calling witnesses, the state prosecutor, Pierre Truche, warned the nine jurors hearing Barbie's case on charges of crimes against humanity to beware of what he called a "defense of diversion."
Mr. Vergès had promised before the opening of the trial that his defense would invite comparison between Barbie's actions and those of French officers during the Algerian war.

WORLD BRIEFS

Cuban Defector Tells of Angola Loss

WASHINGTON (AP) — The Cuban general who defected to the United States last month with his family has told U.S. interrogators that 10,000 Cuban troops have been killed in Angola since 1976, according to administration officials.

Beijing Student Boycott Continues

BEIJING (UPI) — About 550 college students ignored pleas from the government and boycotted classes for a fifth day Monday in a protest aimed at convincing officials to remove a tobacco factory from their campus, a school official said.



Top Soviet Leaders Out of Step

Analysts Say Ligachev Is Ready if Gorbachev Falters

By Philip Taubman
New York Times Service
MOSCOW — Almost from the moment they assumed power more than two years ago, the two men have seemed slightly out of step.
Whenever Mikhail S. Gorbachev called for increased openness, Yegor K. Ligachev, the second-ranking Communist Party leader, seemed to follow a few days later with a call for increased discipline.

change but at a much slower, more moderate pace.
"There really is a threat there to Gorbachev," Mr. Zlotnik said.
Mr. Ligachev, a husky man with a shock of unruly white hair and a reputation for blunt talk, has dismissed such reports. When asked recently by a delegation of members of the U.S. Congress about friction in the Soviet leadership, he replied, "Western reports of divisions among the leaders are fabrications and inventions designed by those who wish us to fail."

ARMS: Warnings Missed

(Continued from Page 1)

Maverick sale as in the least politically sensitive," a self-described "surprised" assistant secretary of state, Richard W. Murphy, told the Senate committee Wednesday.
He said Congress was first told of the proposed sale in February. Since then, he said, there had been a "steady process" of consultations.
Independent accounts said the White House also blundered by trying to cut from 50 to 30 days the time Congress has to disapprove proposed arms sales abroad worth more than \$14 million.

Teen Pilot's Parents Now in Moscow

MOSCOW (AP) — The parents of Mathias Rust, the West German teen-age pilot jailed in Moscow after his unauthorized flight last month, arrived in the Soviet Union on Monday and will meet with their son on Tuesday, a West German diplomat said.

Sri Lanka Allows Relief for Tamils

COLOMBO, Sri Lanka (Reuters) — Sri Lanka, whose navy turned back an Indian relief flotilla earlier in June, agreed Monday to let unarmed Indian vessels bring supplies to Tamils on the Jaffna Peninsula.

East Berlin Rock Fans Protest Again

BERLIN (Reuters) — A crowd of youths again chanted "The wall must go!" on Sunday night after an open-air rock concert in East Berlin, but this time the police did not intervene and there was no violence.

Sri Lanka Allows Relief for Tamils

COLOMBO, Sri Lanka (Reuters) — Sri Lanka, whose navy turned back an Indian relief flotilla earlier in June, agreed Monday to let unarmed Indian vessels bring supplies to Tamils on the Jaffna Peninsula.

For the Record

The espionage trial of Margret Hoekes, 52, a former secretary to five West German presidents, began Monday in Dusseldorf, West Germany. She fell in love with a man suspected of being a KGB agent.

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French Air Traffic Strike Continues

PARIS (Reuters) — Air Traffic controllers vowed Monday to continue their job action and threatened to extend the length of their work stoppages if their pay is docked.

French Air Traffic Strike Continues

PARIS (Reuters) — Air Traffic controllers vowed Monday to continue their job action and threatened to extend the length of their work stoppages if their pay is docked.



Isle of Jura Single Malt Scotch Whisky

THE FLAVOUR OF AN ISLAND IN A SINGLE MALT.

GENERAL DYNAMICS NEWS

FOR IMMEDIATE RELEASE

PARIS, France, June 15, 1987 - General Dynamics announced today that its Space Systems Division will build 18 Atlas/Centaur launch vehicles under a company-funded program representing one of the largest single space commitments in the industry.

"We fully intend to remain as the leader in the commercial launch vehicle business," said Dr. Alan M. Lovelace, General Manager of the Space Systems Division, during a press conference at the 1987 Paris Air Show.

"Our company has played a key role in the space program since its inception and we are dedicated to continuing and supporting our country's preeminence in space, both commercially and militarily," Lovelace said.

GENERAL DYNAMICS
Space Systems Division

Turkey's Quiet Expatriate War Deaths Are Said to Rise in Kurdish Separatist Conflict

By Alan Cowell New York Times Service FRANKFURT — The police and intelligence agencies in several West European countries say an underground conflict has erupted among Turkish expatriates...

eastern Turkey, has become an unwelcome guest in Western Europe, feared for its terrorism and viewed as an embarrassment to rival and more moderate Kurdish groups seeking to swing West European opinion behind their cause.

There are said to be about 600,000 Kurdish immigrants in Western Europe, members of a divided, transnational group that has been fighting for centuries against what it considers to be various foreign occupations.

Police in several West European countries say the conflict is the work of the Soviet-backed Kurdish Workers Party.

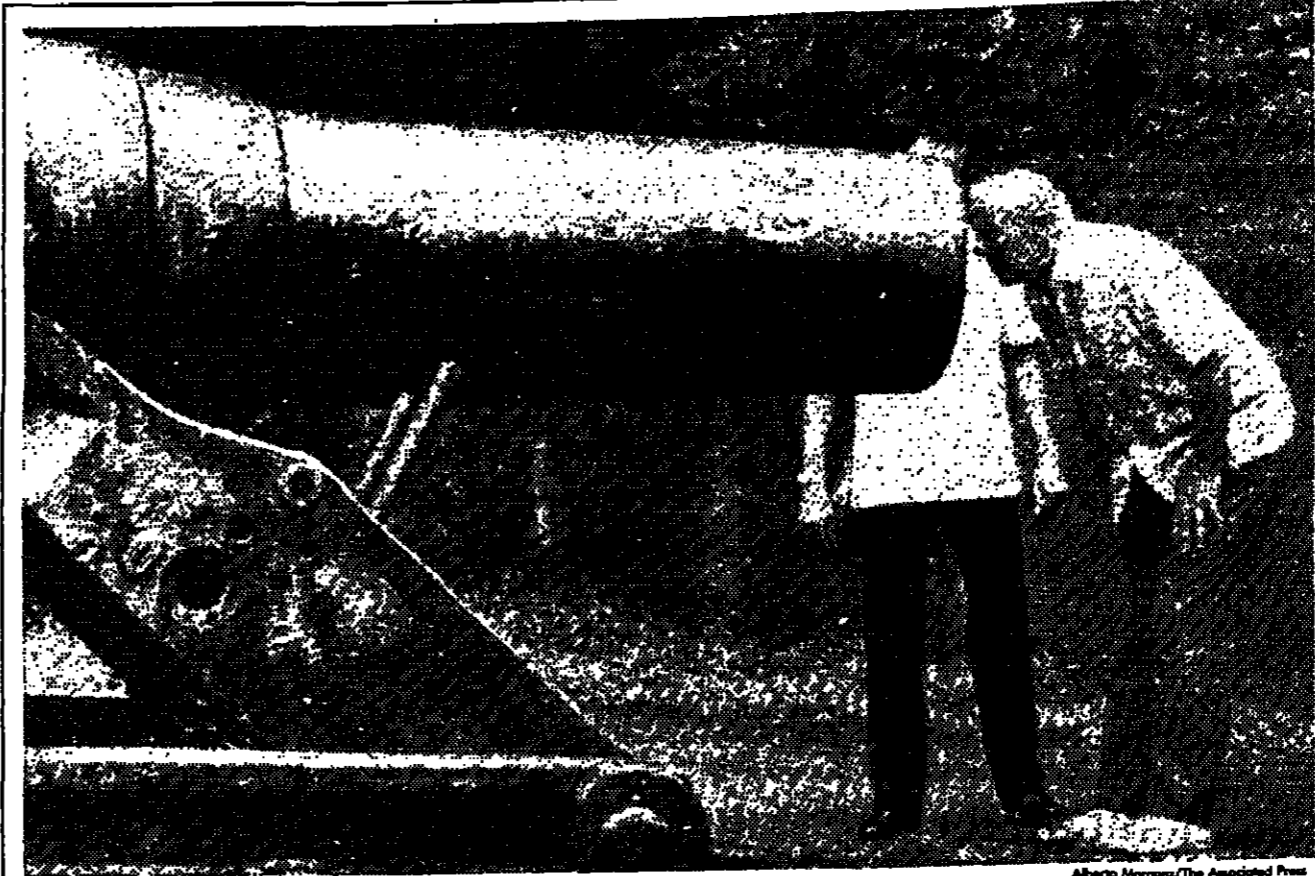
The Kurdish militants' activities, their Marxist and separatist beliefs, and even their language are unlawful in Turkey. The party was blamed by some Swedish investigators for the assassination of Olof Palme...

Swedish officials said, and refused entry to the movement's leader, Abdullah Ocalan, who is based in Damascus.

Switzerland has recorded hostilities purportedly linked to the Kurdish separatist party, and West Germany lists Mr. Ocalan's movement among those officially called a threat to security.

This is only a personal view, said Sivayennid Othman, an Iraqi Kurd from the Kurdish Institute in Paris, "but I think really that the Kurdish Workers Party represents a very small minority among Kurds..."

Such assertions by Western governments uncomfortable with the militant Kurdish presence on their soil are difficult to verify because of the underground nature of the Kurdish separatist party's operations.



George P. Shultz examining the inside of a World War II cannon on Corregidor Island in the Philippines Monday.

U.S. Sees Aquino Winning Insurgency Battle

MANILA — Convinced that the tide is running in favor of President Corason C. Aquino in his battle against Communist insurgents, George P. Shultz, the U.S. secretary of state, is prepared to offer continued economic and military support...

West German officials say the resident population of 1.4 million Turks in West Germany includes 300,000 to 400,000 Kurds, the biggest Turkish population in Western Europe.

The projections indicated the five coalition partners in the Christian cabinet would get 52.7 percent, up from 52 percent, in the Senate, and 57.9 percent, up from 55.2 percent, in the lower house.

On his way back from a tour of Corregidor Island aboard the yacht used by former President Ferdinand E. Marcos, Mr. Shultz's motorcade passed about 100 demonstrators holding pro-Marcos signs across the street from the U.S. Embassy.

SHIP: Shells Fired

sprang a leak and a fire broke out. Mr. Hundt said. He said the crew brought the fire and the leak under control, then set the Necker, which was traveling alone at the time, on course back to the Baltic port of Kiel.

ITALY: Results Indicate a Setback to Communist Party

(Continued from Page 1) bargaining for the formation of the next coalition. "I don't think there will be any drastic changes," Mr. Craxi said.

Socialists would produce "powerful and prolonged turbulence" in Italian politics. As the largest party, the Christian Democrats are likely to be asked to form the next government.

The Communist Party leader, Alessandro Natta, had put forward such a coalition as a viable alternative during the campaign.

ASEAN: Prospects Improve for Cambodia Settlement

(Continued from Page 1) alternative of a military fait accompli. Indonesia acts as ASEAN's main line of communication with Vietnam.

He said that an Indonesian envoy had been asked by Vietnamese officials at a recent meeting in North Korea to help arrange private talks "on a personal basis" between Hun Sen, prime minister of the government in Phnom Penh, and Prince Norodom Sihanouk, the former Cambodian chief of state.

Sihanouk said he was stepping down to protest the killing of his troops by the Khmer Rouge. A spokesman for the ASEAN conference said Monday that the foreign ministers would ask China to help establish "a better kind of leadership in the Khmer Rouge."

Mr. Hundt said that the North Atlantic Treaty Organization and the Warsaw Pact countries regularly observe each other's sea maneuvers according to mutually agreed upon ground rules.

It's not true, the young woman said, cracking her knuckles as she spoke. "He forced me to go with him."

Subhan Sardin, a member of the slush, removed his glasses in a gesture that brought silence to the room. "We may or we may not whip them," he said of the offending couple.

Such reversals of promises to sell U.S. arms have long been regarded as an insult by the Saudis and have been a source of friction with Arab states considered to be more moderate, particularly Saudi Arabia and Jordan.

Advertisement for Sunella House at Moritz, a holiday oasis for the individual guest, located at CH 7500 St. Moritz, R.F. Müller, Mgr. Phone 082 2 11 21.

Advertisement for East German Fleets to Bavaria, featuring a 24-year-old East German man with iron spikes strapped to his shoes scaled the border fence between East and West Germany.

Advertisement for 29 Rescued in Sinking Of a Hong Kong Vessel, detailing the rescue of 29 crew members from the Hong Kong cargo ship Cumberland.

Advertisement for COUPLE: Village Justice Maintained in Bangladesh, describing a woman's experience with a violent husband and the intervention of village elders.

EMPLOYMENT section listing educational positions available, including MAELSIE TRAINING CENTER and INTERNATIONAL SCHOOL PARIS.

INTERNATIONAL CLASSIFIED section with various sub-sections: AUTOS TAX FREE, LOW COST FLIGHTS, EDUCATION, LEGAL SERVICES, COLLEGES & UNIVERSITIES, and TRANSCO.

HOTELS section listing Tudor Hotel, New York, and Christchurch, New Zealand.

SEOUL: Middle Class Joining Protests Against Chun, detailing student protests and the arrest of a student leader.

Arabs Fear Kuwaiti Plan To Involve Superpowers

By John Kifner New York Times Service KUWAIT — Kuwait's neighbors are giving mixed reactions to the idea that the United States and the Soviet Union will protect Kuwait oil tankers in the Gulf.

The Reagan administration plans to give half of Kuwait's 22-tanker fleet the protection of the U.S. Navy by an arrangement under which the ships would become U.S. flag vessels.

The United States has sought cooperation in the Gulf since the Iraqi attack on the U.S. frigate Stark, in which 37 seamen died.

Bahrain provides berths for the U.S. task force in the Gulf. Saudi Arabia allows U.S. military planes to land there.

Such reversals of promises to sell U.S. arms have long been regarded as an insult by the Saudis and have been a source of friction with Arab states considered to be more moderate.

People also were angered by a popular comedian, Kim Pyong Jo, for a joke he made while entertaining at the ruling party's convention.

Monday's demonstration at the cathedral began peacefully but ended abruptly when, without warning, squads of policemen in helmets and gas masks charged the crowd, hurling tear gas grenades.

DEATH NOTICE section listing the passing of John BERRISFORD TATHAM on Sunday, June 14, 1987.

Byrd Threatens to Cut Senate Recess Time to Counter Republicans

By Helen Dewar
Washington Post Service

WASHINGTON — As Senate Republicans enter the second month of what Robert C. Byrd, the Democratic majority leader, calls an "obstructionist" and "scorched-earth" strategy to thwart his party's initiatives, Mr. Byrd is planning to strike back where it could hurt most.

He is threatening senators with loss of recess time if the Republicans continue to block action on Democratic proposals on such matters as arms control and campaign financing. That would mean a delay of the August vacation and an indefinite postponement of the targeted early-October adjournment.

Mr. Byrd has said that he will keep the Senate working on legislation to overhaul congressional campaign funding laws by calling "vote after vote" to focus attention on the Republican stalling tactics even if it means delaying action on other important measures, such as trade legislation.

"They're going to have to keep coming back to the hick-log," said the West Virginia senator. "If the Republicans are going to obstruct and stall on the nation's business, they'll have to take the blame."

As for the campaign bill, he added, "I'm not in any big hurry to put it aside."

Senate majority leaders often resort to such threats to bring discipline to the chamber, a task that the former majority leader, Howard H. Baker Jr., now the White House chief of staff, once likened to "pushing a wet noodle."

But Mr. Byrd has already shown a stubborn streak about Senate work habits. He has scheduled what one colleague derisively called Friday morning "bed-check" votes to keep senators from getting away early for weekends.

And with Republicans resorting to resourceful guerrilla tactics to challenge his leadership only six months after the Democrats took back control of the Senate, he has much at stake in terms of his future capacity to retain control of the Senate agenda.

So far, the Republicans have blocked action on a military authorization bill that includes constraints on the Strategic Defense



Robert C. Byrd

Initiative that are opposed by the Reagan administration, in addition to stalling the campaign financing measure.

If doing so, they have gotten around the Democrats' 54-vote majority, which has held together with remarkable cohesiveness, by resorting to filibusters that can be broken only by 60, or more votes. Using other tactics, they stalled a catchall spending bill for several weeks of public flogging as a "budget-buster."

By mistaking the 54 votes necessary to sustain a veto, they have also hoisted warning flags over a number of measures, including the wrap-up spending bill if it includes arms control provisions sought by the House of Representatives.

They stood aside from drafting the Senate's version of a budget for next year, contributing to current difficulties in working out a budget compromise between the House and Senate, and Mr. Byrd fears a Republican filibuster if the budget produces legislation to raise taxes in any major way.

Regardless of whether Mr. Byrd follows through on the threats, his response to the Republican tactics underscores the tensions building in the 100th Congress as it moves toward next year's campaign season, where control of the Senate as well as the White House will be at stake.

The Republican strategy aims in part at preventing the Democrats from using Congress as a platform for mounting a campaign focusing on their ability to produce results, especially when those results undermine the legacy of President Ronald Reagan and the Republican-led Senate of the last six years.

The Republicans are portraying themselves as protectors of the faith, outnumbered but not outnumbered, as they expose what they regard as weak spots in Democratic initiatives.

Some Republicans hope to kill the Democratic measures outright. Others, especially those who share some of the Democratic goals but disagree over the methods of achieving them, want to force the Democrats to deal with their ideas and include them in a final compromise.

But Senate Republicans as a

Americans Like Being Married

Many Couples Say They Share More of the Work at Home

By Glenn Collins
New York Times Service

NEW YORK — A statistical portrait of the attitudes of American families shows that Americans have an enduring preference for marriage, despite the nation's high divorce rate.

A majority of couples also said they believe in sharing home and child-care responsibilities, and an unprecedented number are doing so in marriages where both spouses work.

Surveys have found that Americans are also overwhelmingly in favor of improving day care services, teaching sex education in the schools and increasing birth control services for teen-agers.

These findings are presented in a new book by Louis Harris, "Inside America." The book is an analysis of findings collected from dozens of national polls conducted during the last several years by Louis Harris & Associates, the Gallup Organization, the Roper Organization and other polling groups.

More than a third of the book — a snapshot of opinions about various issues — is devoted to family attitudes.

About 63 percent of the adult women surveyed said they wanted to combine marriage, a career and children. Fifty-two percent felt that way a decade ago. The number of women who look forward to "marrying, having children and no career" has dropped from 38 percent to 26 percent during the last 10 years.

The surveys indicate that, in a break with traditional attitudes, family finances are being shared in households where both spouses work. Seventy-nine percent of the

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When the poll takers asked Americans about marriage, 85 percent said they would remarry their present spouses.

percent of couples reported that housework was equally shared.

Perhaps the sharpest break with traditional attitudes about family responsibilities was noted among teen-agers.

In surveys cited in the book, teen-agers said that household and child-rearing chores should be shared by husbands and wives. For example, 60 percent said dish washing should be shared equally; 60 percent did not think it was the sole duty of the wife to vacuum clean the house.

When the poll takers asked Americans about marriage, 85 percent said they would remarry their present spouses.

The book cites marriage and divorce statistics compiled by the National Center for Health Statistics. The federal data indicate that since 1981 the number of marriages has increased 3 percent, while the

Pakistan F-16 Destroyed In Collision With Boar

ISLAMABAD, Pakistan — The Pakistan Air Force lost one of its 40 U.S.-built F-16 jets when it collided with a wild pig on a runway and burst into flames, parliament was told Monday.

The minister of state for defense, Rana Naem Mohammad Khan, said the plane hit a wild boar as it raced down the runway for a night takeoff Dec. 17.

North Memo Seen as Peril To Reagan

WASHINGTON — Members of Congress probably will call for impeachment proceedings against President Ronald Reagan if evidence emerges that a memo from Lieutenant Colonel Oliver L. North, proposing the division of money to the Nicaraguan rebels, reached the president, the chairman of the House committee investigating the Iran-contra affair has said.

Representative Lee H. Hamilton, Democrat of Indiana, was questioned Sunday on television about the undated memo, a National Security Council decision paper for Mr. Reagan that was drafted in April 1986 by Colonel North.

A version of the memo, found by Justice Department investigators days before Colonel North was dismissed Nov. 25 as deputy to the national security adviser, included a proposal to divert \$12 million to the contras from the proceeds of U.S. arms sales to Iran.

Mr. Reagan has denied having advance knowledge of the diversion scheme. But Fawn Hall, Colonel North's secretary at the time, has testified that a copy of the memo was sent to Mr. Reagan's national security adviser at the time, Rear Admiral John M. Poindecker, and subsequently was revised.

"I think if that memo had reached the hands of the president and he had approved it, that would be the 'smoking gun,'" Mr. Hamilton said on an ABC program.

"I don't have any doubt at all that that kind of evidence would be exceedingly serious for the president," Mr. Hamilton said. "I think it is likely if that occurred — and I emphasize the 'if' — you would have a demand for impeachment proceedings."

The second phase of the congressional hearings is to begin June 22 and is to include testimony from Admiral Poindecker under a grant of limited immunity from prosecution. Colonel North is expected to testify with similar legal protection, but his cooperation is not assured.

South Africa Unmoved by Ford Action

JOHANNESBURG — If the Ford Motor Co. pulled out of South Africa, it would cause little damage to the country's car industry but would leave few major U.S. companies with a direct stake in local business, officials and experts said Monday.

"It looks like a very tame action that will have nothing but a small general overall impact," said Tony Twine, a business analyst.

Ford said Sunday in Detroit that it was considering pulling out of South Africa. It said it might turn over most of its holdings to employees.

The world's second-largest car maker, Ford has been under heavy pressure to pull out since the other U.S. automobile giant, General Motors Corp., withdrew from South Africa in January. GM sold its subsidiary to local management.

Ford has a 12 percent share of South Africa's annual car sales, which total fewer than 200,000 vehicles a year.

Ford said it was studying several options but would probably end its direct investment in South Africa.

But funding from Detroit has not been critical to Ford's operations in South Africa, industry sources said. The company would still supply its local partner, South African Motor Corp., with vehicles, parts, management and technical assistance.

A withdrawal by Ford would leave the West German car makers Volkswagen, BMW and Mercedes as the only foreign manufacturers with a direct stake in South Africa's car industry.

U.S. Ruling Affects Juries Weighing Death Penalty

WASHINGTON — The Supreme Court ruled 5-4 on Monday that the impact of a murder on a victim's family may not be considered by juries deliberating the death penalty.

The ruling puts into question the validity of many "victim rights" statutes, which permit the introduction of statements on the impact of crimes on victims or allow the victims to address the court at sentencing hearings.

The court also ruled unanimously that a resolution that banned all so-called "First Amendment activities" within the central terminal of the Los Angeles International Airport was unconstitutional. The First Amendment of the U.S. Constitution bars curtailment of free speech.

The Supreme Court found that the ordinance, which banned activities such as distributing leaflets and making speeches at the airport, was too sweeping.

In the death penalty ruling, Justice Lewis F. Powell, who wrote the majority opinion, said evidence such as the impact of crime on survivors is irrelevant to the decision to sentence someone to die and "creates a constitutionally unacceptable risk that the jury may impose the death penalty in an arbitrary and capricious manner."

"In some cases," he said, "the victim will not leave behind a family, or the family members may be less articulate in describing their feelings even though their sense of loss is equally severe. The fact that these may turn on such distinctions illustrates the danger of allowing juries to consider this information."

In the Los Angeles decision, Jus-

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Herald Tribune

NATO's 'Slippery Slope'

Listen to NATO officials for five minutes and hear the phrase: "the slippery slope of denuclearization." It signals a case of European jitter about nuclear weapons and arms control. The West has finally reached agreement on banning medium- and short-range missiles from Europe. But European jitter remains. They demand an honest response from Washington, and from West European leaders themselves.

AIDS: Good News and Bad

Is the AIDS epidemic scything indiscriminately through the population like a medieval plague? Or is it still largely confined to high-risk groups like drug addicts, homosexuals and their sexual partners? The answer is critical because it determines which of two quite different strategies society pursues. The Reagan administration, almost certainly, has picked the wrong answer and the wrong policy.

The Trouble in Panama

Fearing, he said, God's wrath and also having just been fired, the second-ranking officer in Panama's defense forces, which have run the country for nearly 20 years, told all.

Of Marshall and More: The Feats and Conceits of 40 Years

By Richard von Weizsäcker

CAMBRIDGE, Massachusetts — On Commencement Day in June 1947, Secretary of State George Marshall addressed Harvard graduates and alumni. America and the world, his speech has gone down in the history of nations. Let us try to picture the situation then.

Free Passage in the Gulf? By What Legal Authority?

By Jonathan Power

NEW YORK — Rocking around in the waves of the Gulf crisis is a question that will not get washed away even if the Iraq war ends tomorrow. By what authority does the United States insist on freedom of passage? Is it the doctrine of freedom of the seas laid down by the Dutch jurist, Hugo Grotius, in 1609? Well, no, because that was a U.S. president, Harry Truman, who announced that the doctrine had had its day when, in 1945, he proclaimed U.S. jurisdiction over the seabed resources of the continental shelf. Later, Chile, Peru and Ecuador raised the stakes by claiming 200-mile (320-kilometer) maritime zones and seizing U.S. tuna boats fishing in their waters.

For Thatcher, the Problems Ahead Are Enormous

By John Fay

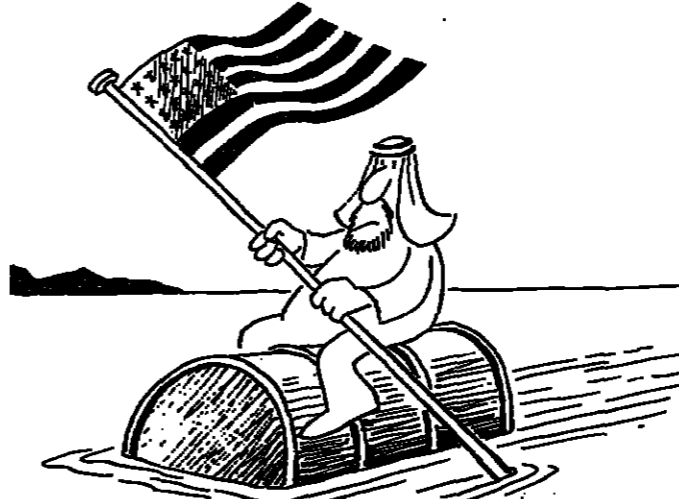
PARIS — The full moon shone bright on election night for Margaret Thatcher. Even her foes must salute the extraordinary feat of holding on, after eight years, with her majority little dented. This time there was no Falklands factor to boost her. But neither was there the customary fatigue factor — when governments get tired and the public tires of them.

No, Fighting Inflation Is Not the Fed's Top Priority

By Robert Eisner

CHICAGO — Fight inflation! Fight inflation! That is the advice Alan Greenspan, chairman-designate of the Federal Reserve Board, is receiving from many economists. It is bad advice. Not that inflation is a good thing. But it must be resisted prudently, at the right time and with the right tools. Moreover, the Fed has other goals besides limiting inflation. Not the least of which is achieving high employment while maximizing the volume of goods and services available to the people. A poorly timed assault on inflation could ruin the chances of meeting these goals.

OPINION



By BAS in Technodromos (Athens), C.W. Syndicate.

In the D... Why Ple...

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OPINION

In the Drive Against AIDS, Why Pledge a Blank Check?

By Charles Kranthammer

WASHINGTON — AIDS is public health enemy No. 1, says President Reagan. It is on every front page, on every candidate's lips. Everyone agrees: We need to do more. Senator Bob Dole of Kansas has the presidential candidate's standard AIDS formulation, calling for spending "whatever resources [are] necessary to get the job done."

Washington Post Writers Group. cure and no testing. They have not been reticent about their wishes. During the Washington conference, there were many political demonstrations. A demonstration outside the White House featured chants of "Reagan, Reagan, too little, too late."



LETTERS TO THE EDITOR

Behind the Enduring Peace

Regarding the opinion column "Two Zeros Too Many in Garbachev's Offer" (May 30) by Joseph Jaffe: Mr. Jaffe reiterates the tired old argument about nuclear weapons having kept the peace for 40 years.

On Austria's Past

Professor G.-K. Kindermann's revisionist history regarding Austria's recent past (Letters, June 5) cannot go unchallenged. Mr. Kindermann claims that "between 1938 and 1945, there was no Austrian Vichy-type government."

Letters to the Editor

it is believed that 70 percent of Eichmann's staff was Austrian. He says: "Those thousands of Austrians who actively and voluntarily cooperated with Nazi Germany cannot fairly be considered as representing Austria."

The Red Square Wonder

"A tale full of wonders," as The New York Times describes the Mathias Rust flight, sums it up perfectly. In my view it surely does not have any challenger as the escape of the century.

Letters to the Editor

As for the suppressed "armed Nazi uprising" of July 1934, was it really the crushing defeat for Hitler that Mr. Kindermann claims, or not rather a fight for power within the system, with the Heimwehr playing a more than dubious role?

Fields in the West

Regarding the report "Status of Japanese Farmers Erodes" (June 6): If the Japanese repealed costly subsidies to rice growers, within one or two years they could save enough money to buy substantial parts of California, Louisiana and Arkansas and export rice production as they now do with automobiles.

The Way to the White House Is Through the Living Room

By Steve Sherman

HANCOCK, New Hampshire — The story goes that a farmer driving a load of hay stopped at the entrance to a long covered bridge and studied it. "I can get through this end all right," he said before turning back. "but I sure can't squeeze through that one down there."

small house in a hard-working neighborhood, he made the slow rounds of shaking hands and chatting. Then the candidate took to a side wall, and in this homey, literate, scrutinizing crowd he spoke for 10 minutes. As is the custom, he opened the rest of the hour to questions and, politely, got good and grilled.

MEANWHILE

next February only a few of them are going to squeeze through and head on down the road to the White House. How does a state 0.3 percent of the size of the nation with 0.4 percent of the population do it? It does it because it has always done it, since 1952. So jealously guarded is this first-in-the-nation primary that the state has legislated it to be the first.

ISC Group advertisement for Paris Air Show. Includes text: INTERNATIONAL SIGNAL AND CONTROL GROUP Invites You To Visit PARIS AIR SHOW HALL 4 - STAND F5. Lists categories: DEFENSE, CIVIL, SPACE with various products like Ordnance & Fuzing, Air & Ground Radar, etc.

WIN \$ MILLIONS! Strike it rich in Canada's Favorite Lottery. You pick your own numbers playing Lotto 6/49. Includes prize breakdown table, order form, and contact information for Canadian Overseas Marketing.

ARTS / LEISURE

New Wave Heroes Move Center Stage

PARIS—Things are looking up for Marc Audebert, whose brave efforts had gone virtually unnoticed for years. The acknowledged leader of Paris fashion's new wave, Audebert is now being discovered by the mainstream press and interviewed in both British and American Vogue.

HEBE DORSEY

about to land a financial backer and to sign a contract with researchers at the Centre National de la Recherche Scientifique. At 35, Audebert is a driven designer who believes that new fashion can only come out of new fabrics. He is known in the trade for his research into stretch fabrics. Pierre Cardin indicated recently that this was the new direction and that his next collection would start with 30 models made of stretch fabrics.



Patrick Kelly.

So in 1984, I started my own collections. Things are looking up also for Patrick Kelly, a young American designer who landed in Paris in 1979 without a nickel. Kelly has found a financial backer and just opened his own studio and boutique at 6, rue du Parc Royal. Kelly specializes in upbeat, youthful and kooky clothes with an irresistible appeal all their own.

Rock and Romantic Vulgarity

By Mike Zwerin International Herald Tribune

PARIS — Robert Pattison's "The Triumph of Vulgarity: Rock Music in the Mirror of Romanticism" (Oxford University Press) makes a case for the vulgarity of rock, a premise some might consider self-explanatory.

Referring to the Vulgate Bible, Pattison, who teaches humanities at Long Island University in New York, deals with vulgarity as "relating to the common people" or "mass culture" rather than "in bad taste." Vulgarity is "something high culture has long despised but rarely attempted to define."

Shakespeare drew on the vulgar and the Satyricon was a vulgar novel, but "with the help of ideas inherent in 19th century Romanticism," vulgarity "has slipped the straits imposed on it by refined culture. In cultivated literature, vulgarity either ridicules itself or reveals a transcendent value which unrefined sensibilities cannot comprehend."

In Pattison's view, rock mirrors 19th-century Romanticism. We hear Walt Whitman's "barbaric yawp" in the punk music of The Ramones, Poe's "Eureka" in the lyrics of the Talking Heads. Annie Lennox's 1972 portrait of Keith Richards resembles the death pose of Henry Wallis's canvas of the "Death of Chatterton." Jim Morrison's death in a Paris bathtub is "the vulgar duplicate of David's 'Marat'... arrested forever in a



"Ride a Rock Horse," cover of the Roger Daltrey Album.

revolutionary youth, powerful in many ways. When the Grateful Dead sing "I need a miracle a day" they reflect boredom, "the terminal affliction from which Romantic heroes from Don Giovanni to Dorian Gray are in perpetual flight." The use of drugs to escape boredom is traced from Baudelaire to Sid Vicious.

minority atrophy among the fanland of its poorest economic sectors.

Was Scott Joplin vulgar when he played ragtime but sensitive when he wrote operas? Is "Sergeant Pepper" vulgar and Charles Ives cultured, even though both used popular elements? Is "vulgar" Frank Zappa "cultivated" when he writes "serious" music that is conducted by Pierre Boulez? Was Boulez vulgar when he explored the implications of some of the early electronic exploits of Jimi Hendrix and the Who in his Paris cultural bastion (IRCAM) Don't look for answers here. Shakespeare, Shelley, Wordsworth, Poe and Whitman are listed in the index. Search in vain for Mozart, Beethoven, Debussy and Ravel. (Stravinsky is mentioned once in passing).

His unqualified value judgments of "high culture," "transcendent value" and "untutored sensibilities" make one question Pattison's professed definition of "vulgar." The assumption that "sensibility" is handed down, not up, and that vulgarity is an inevitable product of the democratic system leaves us where? Clearing out the intellectual debris, this is a cultivated hyacinth, a triumph of bigotry.

Dave Marsh's biography "Glory Days: Bruce Springsteen & the Eighties" (Pantheon) is a 45-page hit single stretched into a double album. Marsh portrays "The Boss" (who is embarrassed to be called) as the nice guy we already suspect he really is with stunning redundancy. The irony is that while the attractive, thoughtful and level-headed Springsteen seems to have managed the difficult escape from show-biz star hype, Marsh's PR man's dream puff book remains mired in it.

DOONESBURY

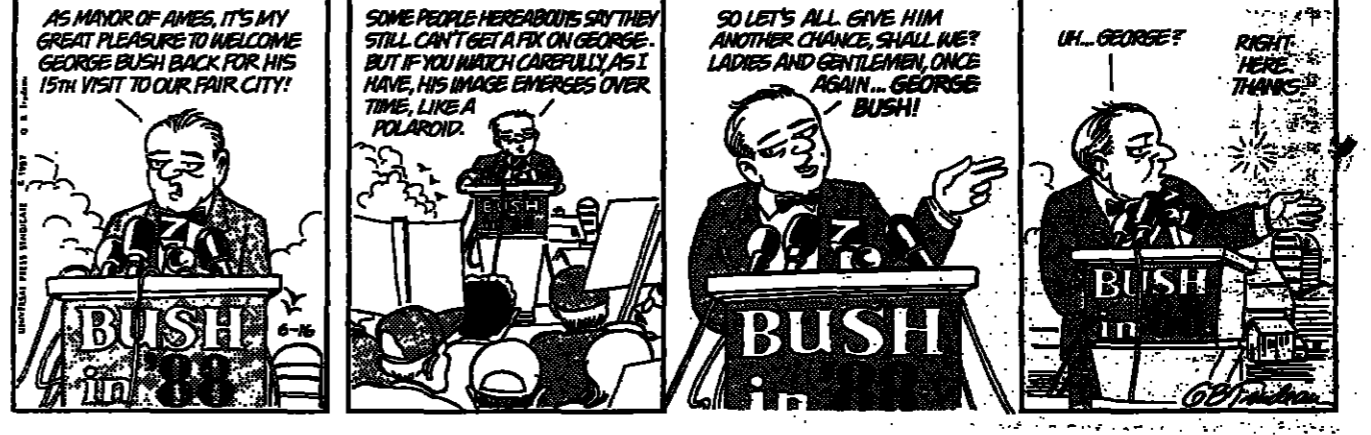


Table: NYSE Most Actives. Columns: Vol., High, Low, Last, Chg. Lists top active stocks like Chryl, AT&T, IBM, etc.

Table: Market Sales. Columns: NYSE 4 p.m. volume, NYSE adv. conts. close, etc.

Table: NYSE Index. Columns: High, Low, Close, Chg%. Composite, Industrials, Transp., Utilities, Finance.

Monday's NYSE Closing. Via The Associated Press.

Table: AMEX Diary. Columns: Class, Prev. Lists AMEX stock activity.

Table: NASDAQ Index. Columns: Class, Prev. Lists NASDAQ index data.

Table: AMEX Most Actives. Columns: Vol., High, Low, Last, Chg. Lists most active AMEX stocks.

Table: Dow Jones Bond Averages. Columns: Bonds, Utilities, Industrials. Lists bond averages.

Table: NYSE Diary. Columns: Advanced, Declined, Unchanged, Total Issues, New Highs, New Lows.

Table: Odd-Lot Trading in N.Y. Columns: Buy, Sales, % of Total. Lists odd-lot trading data.

Table: Dow Jones Averages. Columns: Open, High, Low, Last, Chg. Lists Dow Jones averages.

Table: Standard & Poor's Index. Columns: High, Low, Prev. Close, Today's P.M. Lists S&P index data.

Table: NASDAQ Diary. Columns: Class, Prev. Lists NASDAQ diary data.

Table: AMEX Stock Index. Columns: High, Low, Close, Chg. Lists AMEX stock index data.

Table: 12 Month High/Low Stock. Columns: Stock, Div. Yld., P/E, 12M High, 12M Low, Close, 12M High/Low Quot. Lists 12-month high/low for various stocks.

Firm Dollar, Bonds Boost Dow

NEW YORK — Stock prices climbed Monday on the New York Stock Exchange in moderate trading dollar and in an advance fueled by a strengthening dollar and firm bond prices. The advance was curbed by profit-taking, however, as the market reached for a new record. The Dow Jones industrial average, which rose 51.58 points last week, climbed 13.81 to finish at 2,391.54, only 14 points below the record close of 2,405.54 set on April 6.

Table: 12 Month High/Low Stock. Columns: Stock, Div. Yld., P/E, 12M High, 12M Low, Close, 12M High/Low Quot. Lists 12-month high/low for various stocks.

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Vertical text on the right edge of the page, including 'BUSIN', 'Per', 'Big', 'Norfolk Oil Field', 'PENS', and 'Ev'.

Aerospace: Military Markets

Tussle With U.S.

Japan Wants A Warplane Of Its Own

By Daniel Sneider

TOKYO — Controversy is certain to accompany whatever decision the Japanese government makes in selecting a new jet fighter for its FSX project.

American congressional leaders have already condemned the possible selection of a domestically developed plane proposed by Japan's aeronautics industry. Last March, Senator John C. Danforth, a prominent spokesman on trade issues, urged the Reagan administration to forcefully support American manufacturers trying to sell their aircraft to Japan.

The Missouri Republican wrote in a letter that Japan was ready to "develop and build" its own aircraft rather than buy "a superior American product." U.S. producers, Mr. Danforth said, "want to sell a high-technology product [Japan] freely admits it wants. It is a high-quality product offered at a competitive price. The Japanese produce nothing that comes close."

American officials avoid making a link between defense and trade. But they argue that, on military grounds alone, it does not make sense for Japan to spend its limited defense resources on a more costly domestic aircraft.

Moreover, Pentagon officials say that Japanese estimates of the cost of domestic development are understated by perhaps as much as half.

Leaders of the Japanese industry, and their supporters in the defense establishment, see the issue quite differently. The future of Japan's aerospace industry, they believe, is at stake in the FSX project. "If we are not given the opportunity to carry out the FSX development program now," an official of the Society of Japanese Aerospace Companies (SIAC) insisted, "another such development program is not expected for 20 or 30 years."

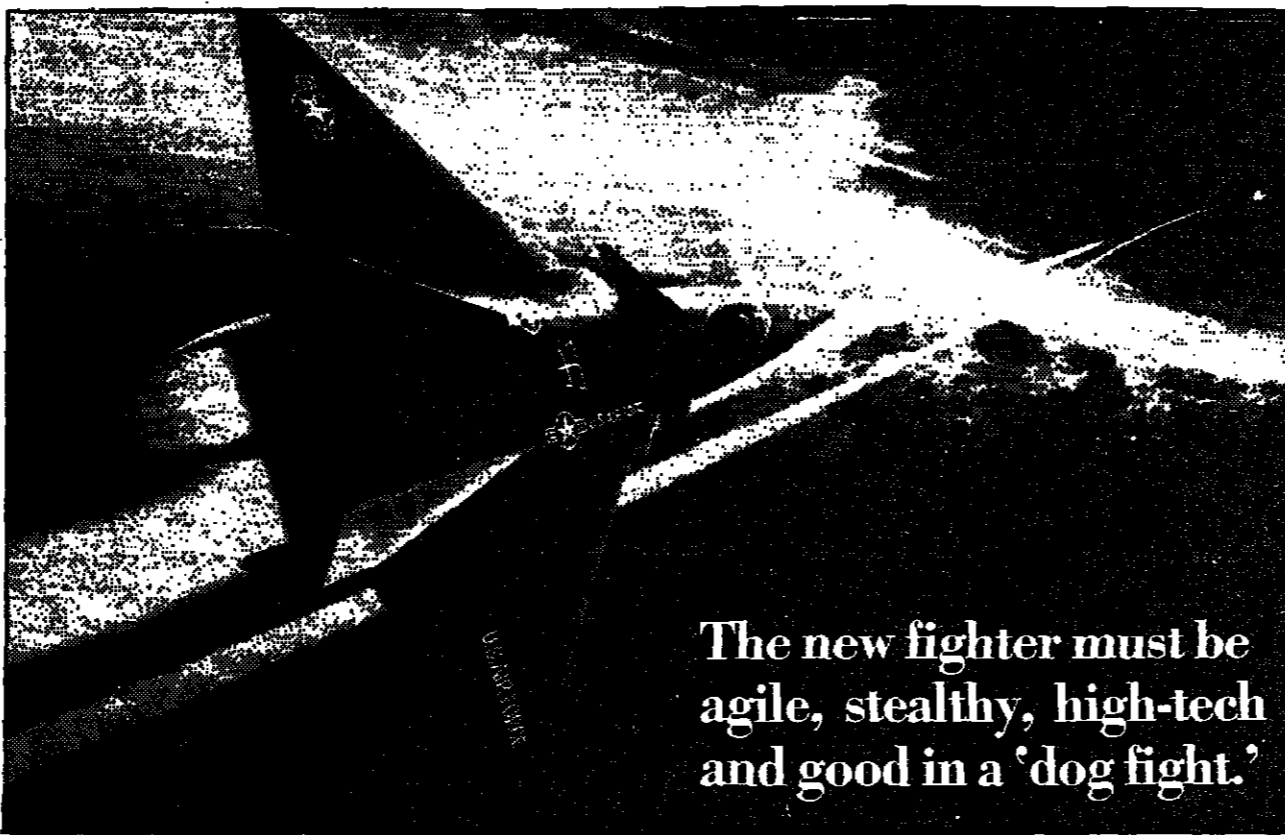
"The aircraft industry is one of the major elements which compose the defense of our country," the SIAC official said, "a pioneer forging the frontier of advanced technology where the future of our nation lies."

Japanese industry, which has joined in a five-company consortium to build FSX, contends that it can design and develop a state-of-the-art fighter at competitive cost. "I am confident that our proposal is best for the performance and cost," said Yoshio Sasaki, the general manager of Mitsubishi Heavy Industries (MHI) aircraft division. MHI is Japan's leading aerospace and defense firm.

The Japan Defense Agency hopes to deploy the FSX (Support Fighter Experimental) sometime in the mid-1990s. The aircraft is to replace the aging F-1 support fighter, Japan's only other domestically developed supersonic aircraft. The defense agency plans to build between 100 and 170 aircraft. The contract, industry sources say, is worth \$7 billion to 10 billion.

Over the past two years, the defense agency has been studying several options for FSX. One is purely domestic development. Another is purchase of a foreign aircraft — the three possibilities under examination are General Dynamics' F-16 Fighting Falcon, McDonnell Douglas Aircraft's F/A-18 Hornet, and the European consortium Panavia's Tornado. A third option is to postpone the decision by

Continued on page 10



The new fighter must be agile, stealthy, high-tech and good in a 'dog fight.'

ATF is a concept of Lockheed's ATF

Combat Aircraft

U.S. Develops Fighter For the 21st Century

By Peter Middleton

LONDON — For more than a decade, U.S. frontline fighters have enjoyed a technological, if not numerical, superiority over their Soviet counterparts. Now, the Soviet Union has closed the performance gap and the United States is spending more than \$5 billion on an eight-year program to develop the Advanced Tactical Fighter (ATF).

Designed to replace the McDonnell Douglas F-15 Eagle as the premier U.S. Air Force fighter from the mid-1990s and to remain in service for more than a quarter of a century, ATF will be an extremely agile, stealthy, supersonic air-combat vehicle with twice the range of the F-15.

It will have a single pilot, but twin engines, probably featuring thrust-vector control to facilitate operations from short, battle-damaged

airfields and to enhance its combat maneuverability. Advanced radar, electro-optical systems and missiles will allow it to engage multiple enemy targets simultaneously, well beyond visual range. It will also be a good close-in "dog fighter."

The U.S. Air Force plans to buy 750 at a target unit price of \$35 million (at 1985 dollar rates).

Prototype development contracts were awarded last October to two U.S. industry teams — Lockheed/Boeing/General Dynamics (YF-22A) and Northrop/McDonnell Douglas (YF-23A). Each \$691 million contract covers construction of two aircraft, plus a ground-based avionics test vehicle.

First flights are set for the end of 1989. For the first time, the Department of Defense is demanding that competing contractors risk substantial sums of their own money on

Continued on page 11

Third World Competition on Rise

Shrinking Market, Costs Bring Shift in Fighter Production

By Kenneth R. Timmerman

PARIS — Two of the brightest stars of the Paris Air Show this year will undoubtedly be Europe's next generation fighters, the French Rafale and British EAP demonstrator, although neither aircraft will be mass-produced before the mid-1990s.

However, a long-term decrease in overall defense spending and higher unit prices per aircraft mean that European nations and the United States will be buying fewer fighters tomorrow than they are today.

Meanwhile, a growing number of Third World nations are expected to develop their own cheap fighters, thus increasing competition in a shrinking market.

As many U.S. aerospace executives admit, the "boom times" of the massive Reagan defense buildup are over. As a result, the fighters under development today must be geared almost as strongly to the export market as to the needs of their own country's national defense.

"With the skyrocketing of R&D costs," said Aaron Karp, director of arms trade research at the Stockholm International Peace Research Institute, "every aircraft has become an export aircraft. You simply have to get some money back."

According to the World Military Aircraft Forecast of DMS, Inc., a U.S.-based defense market study group, Western and Third World countries will manufacture more than 10,000 fighter/attack aircraft over the next decade, worth an estimated \$205 billion (in 1985 dollars).

Non-Soviet fighter production will peak at 1,200 aircraft per year in 1988, according to the DMS study. After that, it will decrease steadily to a low of 930 aircraft per year in 1995.

The study said that, "The reduction... is due also to the fact that most international future requirements do not anticipate a one-for-one replacement of older models with the newer designs."

The primary reason is that the fighters of tomorrow will cost up to twice as much as today's in 1985 dollars.

DMS forecasts that Dassault's Rafale will cost 40 percent more than a Mirage-2000, while the European Fighter Aircraft will run 42.8 percent more than today's Tornado. But the U.S. Air Force's Advanced Tactical Fighter (ATF) clearly wins the prize. Budgeted at \$32 million, cost over-

runs could push it as high as \$50 million, as compared to the \$17.6 million of today's F-16.

Rapid advances in electronics is another. Fewer fighters will theoretically be needed to perform the same task, although opponents of high-tech weaponry claim that "fewer but better" makes each individual fighter a more valuable target, and, therefore, more subject to enemy attack.

In response, many countries have opted to upgrade existing fighters rather than replace them. This is particularly true of the F-4 Phantom fleets of Israel, Japan and West Germany.

South Africa has chosen the same course with its aging Mirage-3s, which it cannot replace due to the 1977 United Nations embargo on arms sales to South Africa. Chile, Switzerland and Ecuador also are upgrading the avionics on their French-built Mirages.

"The overall effect of the shrinking market," said Mr. Karp, "is to force the aerospace companies to specialize in the production of one type of aircraft, instead of making everything for everybody as they did before."

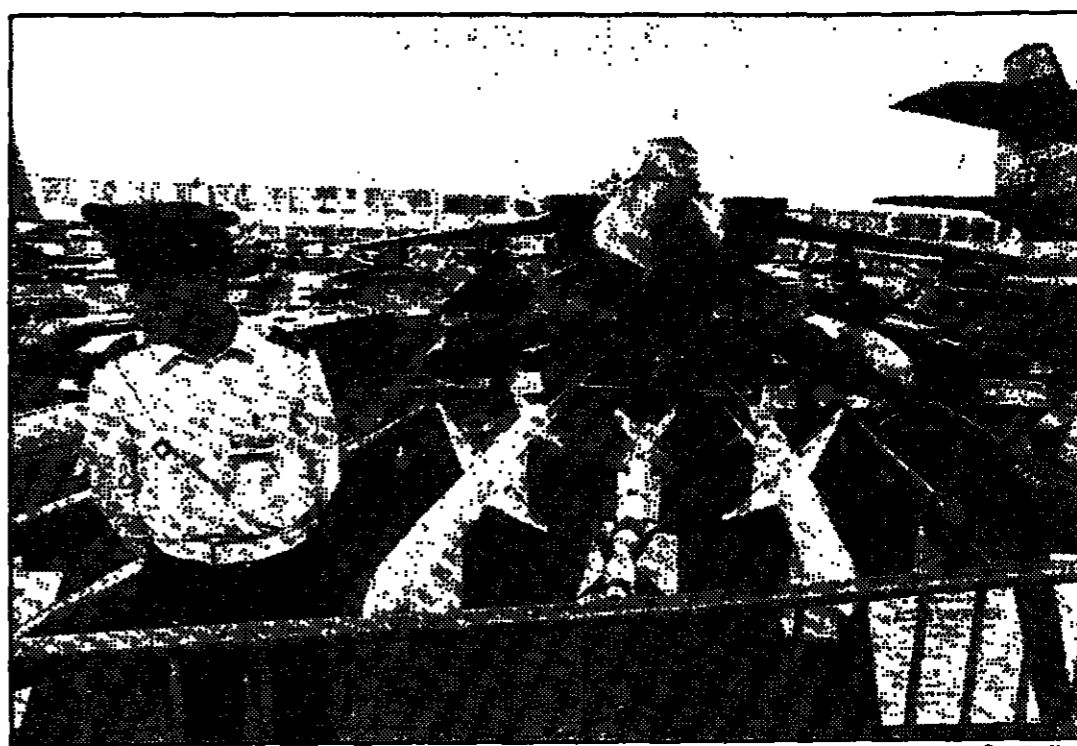
According to DMS forecasts, the United States will build 6,497 of the 10,716 that will be produced by non-Soviet countries over the next 10 years, and it will face tough competition on many markets with European manufacturers.

Most customers would prefer to buy U.S. combat aircraft. This is especially true in the Middle East. According to the Arms Control and Disarmament Agency, the region accounted for 55 percent of all arms sales to developing nations over the 1980-1983 period. But political quid pro quo have deterred many Third World countries from pleading their case before the U.S. Congress — an experience that left bitter memories in a country as pro-American as Saudi Arabia.

As a result, many developing nations have looked to European manufacturers. However, as the cost of European fighters goes up, they may eventually turn to half a dozen developing countries that have fledging combat aircraft industries.

These new fighters, built by India, Indonesia, Brazil, Israel, China and Taiwan, will cull a growing share of the Third World market, which has a less pressing need for high technology than the West.

"What you have is a segmented market," Mr. Karp said.



Planes line the tarmac at the opening of the Paris Air Show at Le Bourget.

John Capra-Van Houten

"At the top of the technology, only a few can compete. But everyone is pricing themselves off the export market. So you see developing a large second tier of mission specific airplanes, that will cost only half as much."

Aerospace experts agree that it is much less expensive to develop a fighter capable of a single mission, such as ground attack, than to develop one that can do everything. However, the trend in Europe and the United States is precisely to develop "multimission" fighters, capable of

everything from dogfights, bombing runs and high-altitude interception to ground-hugging troop support.

A plane such as the AMX, a specialized ground-attack aircraft built by a consortium of Italian and Brazilian companies, is expected to cost around \$10 million, compared to the \$29 million for the multimission F-15.

No one expects the AMX, or other "cheap" aircraft, to

Continued on page 10

How This Plane Got The World's Computers Talking The Same Language.

When Aerospatiale and companies in three other countries set out to create the A320 Airbus, we thought we were compatible.

We were, but our computers weren't. Our CAD/CAM systems — made by different companies in different countries — simply didn't speak the same language.

So Aerospatiale invented SET — a unique, neutral computer language that allows ordinarily incompatible systems

to use and exchange data in total harmony.

If you're encountering similar problems in your sector of activity, we may be able to do more than just commiserate.

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Any way you look at it, it beats going back to the drawing board.



that's special. that's aerospatiale.

U.S. Procurement and Production

Pentagon Confronts a Shrinking Budget

By David F. Bond

WASHINGTON — The U.S. armed services, faced with a third straight year of defense budget contractions, are trying to maintain their most important aircraft production programs and advance development work on planes they are counting on for the future.

For the air force, this means buying General Dynamics F-16 and McDonnell Douglas F-15 fighters at rates considerably lower than had been planned in recent years. It means putting fewer aircraft in the field or keeping them in use longer before they are replaced. And it puts pressure on the service to keep on track its development of the Advanced Tactical Fighter (ATF) and the engine and avionics systems needed for it.

As the air force moves toward production of the highly classified Advanced Technology Bomber (ATB), the so-called Stealth Bomber, it faces the unenviable job of making its in-production bomber, the B-1B, as capable as it was supposed to be. A new transport aircraft, the McDonnell Douglas C-17, also is in development.

The navy, with more aircraft production lines to preserve, cut back a number of programs last winter as the Defense Department prepared budget requests for fiscal year 1988, which begins Oct. 1.

The navy has shuffled its plans further since then. The big development programs it is protecting are the Advanced Tactical Aircraft (ATA), a medium attack

The air force is taking low-cost approaches in programs that critics say are short-changed routinely in favor of fighter forces.

plane that is fully as secret as the ATB, and the V-22, a tilt rotor aircraft for use initially as a Marine Corps assault plane.

The army, with the smallest aviation program among the three services, made perhaps the most difficult decision in the fiscal year 1988 aircraft budgets — to end production of the McDonnell Douglas AH-64 attack helicopter early, after next year's buy.

The army also moved to reduce the production rate of Sikorsky UH-60 utility helicopters and to end a Bell Helicopter Textron program to improve OH-58 scout helicopters. But the army has struggled in its attempts to get started on an LHX (Light Helicopter Experimental) program to develop a 1990s replacement for AH-1, UH-1 and other aging small helicopters.

This year's U.S. defense budget is down by about 7 percent, after allowing for inflation, below that of two years ago, and the FY 1988 budget, currently before the Congress, is likely to shrink as well. But as the Pentagon moves to low-

er, less economic production rates, it pays more per aircraft.

The air force has scaled back both of its bread-and-butter tactical aircraft programs in this way. Only a few years ago, it planned procurement of 216 F-16s and 60 F-15s each year into the 1990s. Now, the F-16 is to be built at 180 per year through 1992 and drop off to 120 per year after that.

F-15 production will be held to 42 per year until the program gives way to ATF in the mid-1990s. F-16s and F-15s manufactured during the 1990s will be powered by higher-thrust versions of the current General Electric F110 and Pratt & Whitney F100-220 engines.

The air force and the navy have agreed to develop their new, most capable aircraft so that each is adaptable to the other's needs. Thus, an ATF variant is to be available when the navy decides to replace the Grumman F-14 as its carrier-based air superiority aircraft. And the air force will look to an ATA derivative as an eventual

replacement for the General Dynamics F-111 long-range interdiction aircraft.

The air force is taking low-cost approaches in a couple of programs that critics say are short-changed routinely in favor of fighter forces:

- To modernize continental air defense interceptor forces, the air force decided last year to modify 270 of its older F-16s instead of buying new F-16s or Northrop F-20s. Losing this competition led Northrop to end the F-20 program for lack of sales. The air defense F-16s will get improved radars and communications equipment and will be adapted to launch radar-guided anti-aircraft missiles. Although the five-year modification program is said to be much less expensive than new aircraft, the F-16s taken from tactical forces for modification will be replaced by new, more modern F-16s.

- LTV will prototype and demonstrate improvements for its A-7 attack aircraft, including a modern engine, configuration changes, a low altitude/night attack system and other avionics upgrades. The idea is to avoid more expensive alternatives — an F-16 adaptation or a new aircraft — for close air support of ground forces.

The navy has cut back on its planned aircraft production rates in recent years, and this continues. Procurement of the McDonnell Douglas F/A-18 strike fighter, a "swing" aircraft that can fly air superiority or attack missions from aircraft carriers, was to have been increased past 100 per year but now is planned at no more than 72, less than the current rate.

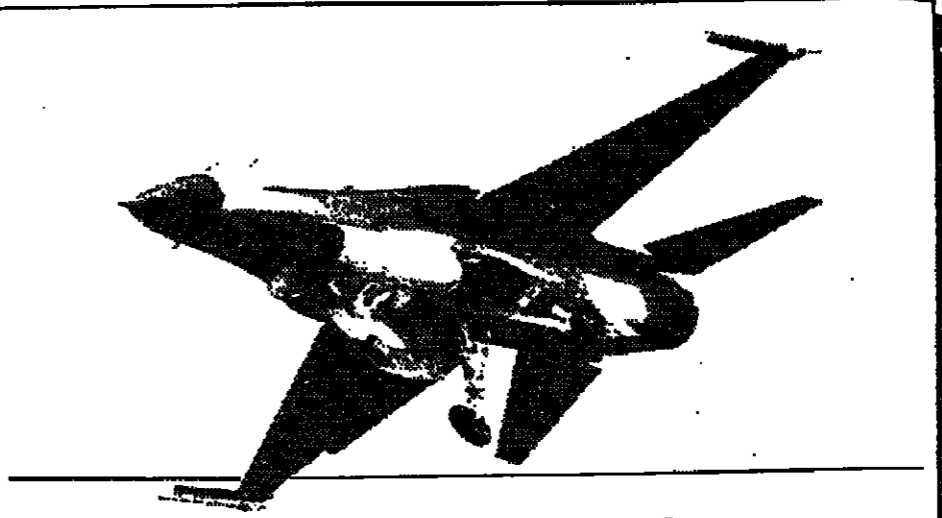
The navy has reduced its planned McDonnell Douglas AV-8B Harrier rate so much, down to 15 per year starting in 1990, that one congressional committee wants to drop the program altogether.

Plans to acquire an improved version of the F-14 have been changed. Instead of producing all of the aircraft from scratch, the navy will get most of them by modifying existing F-14s. Grumman will build the new planes but will have to compete for the modification program. Instead of developing a new electronic warfare aircraft, the navy will modify Lockheed S-3s.

Some of the navy's replanning reflects a decision to change dramatically the mix of aircraft on aircraft carriers. Taking advantage of the two-mission capability of the F/A-18, the navy intends to decrease the numbers of F-14s and F/A-18s in a typical carrier airwing from 24 to 20 each, reducing but not compromising air superiority. With these and other freedom up dock spaces, it will double the number of Grumman A-6 medium attack aircraft, from 10 to 20, greatly increasing the airwing's firepower.

The changes will be phased in, beginning next year. Procurement of the A-6E and an improved model, the A-6F, will not increase as much as the airwing changes would indicate, because A-6s will be replaced one-for-one by ATAs as the new aircraft becomes available.

The V-22, in development by Bell Helicopter Textron and Boeing Vertol for a first flight in



The Military Aircraft Market

Production Value in billions of U.S. dollars and Estimated Market Share

	Production Value	Market Share
McDonnell Douglas F-15, F/A-18, AV-8B Harrier, T-45	40.9	20 %
General Dynamics F-16	37.2	18 %
Dassault Mirage 2000, Mirage F1, Rafale, Alpha Jet, Jaguar	25.0	12 %
Northrop F/A18, F-5, ATB	22.0	11 %

Source: DMS World Military Aircraft Forecast

mid-1988, will be able to fly like a helicopter when its wingtip rotors are tilted upward, and like a turboprop aircraft when they are tilted forward. Beyond the Marine Corps assault mission, tri-service uses for special operations forces, search and rescue, and cargo transport are planned, and the navy is studying an anti-submarine warfare variant as a replacement for the S-3.

Although much of its budget deliberations remain, the U.S. Congress seems likely to preserve the AH-64 as the only attack helicopter in production for the army. The next attack helicopter, the LHX, is intended to be smaller and less expensive than the AH-64 and will not be a replacement for it, and LHX is lagging.

In May, Defense Department reviewers rejected an army proposal to begin an LHX prototyping program by two industry

teams, Boeing Vertol/Sikorsky and Bell/McDonnell Douglas. Instead, the army was told to get new assessments by outside experts of its small-helicopter LHX concept and three alternatives — a larger helicopter, a tilt rotor aircraft and an improved AH-64. The assessments are due in time for another program review in November.

DAVID F. BOND is the Pentagon correspondent of Aerospace Daily.

A Fighter for The 21st Century

Continued from page 9

development — hence the formation of industrial teams to spread the load.

With the incentive of production contracts potentially worth more than \$25 billion, industry is prepared to take that risk, even though only one airframe will go into full-scale development and production, following a competitive fly-off. Both General Electric and Pratt & Whitney are developing high-technology ATF engines.

The U.S. Navy is now showing interest in the potential of ATF as a turn-of-the-century, carrier-borne fighter, while pursuing parallel plans for a stealthy 1990s subsonic attack aircraft that could be the subject of a reciprocal U.S. Air Force purchase.

Last July, the Soviet Union fielded a formation of MiG-29 Fulcrum fighters at a Finnish air display, heralding the export of what the Pentagon described as a "highly capable" middleweight combat aircraft. Fulcrum is now in service with Iraq and India as well as with Soviet tactical forces, which already have more than 300, according to the Pentagon.

Fulcrum poses a performance challenge to the most capable Western fighters in its class — the General Dynamics F-16 Fighting Falcon and the McDonnell Douglas F-18 Hornet.

Dominance of the heavyweight, air-combat arena by the U.S. Air Force F-15 and the U.S. Navy's Grumman F-14 Tomcat is also threatened by the final emergence of the Sukhoi Su-27 Flanker.

Flanker now incorporates many F-15 features, particularly around the rear fuselage, where major aerodynamic drag problems had been encountered. The Pentagon says that the Soviets have begun deploying Flanker both to strategic and home defense forces.

Another Soviet "heavy metal" fighter — the MiG-31 Foxhound — is also in production. More than 150 have been deployed for home air defense, according to the Pentagon.

Foxhound was developed in parallel with Flanker, possibly as an insurance against failure of the more radical Sukhoi design. It is a major redesign of the Foxbat interceptor/reconnaissance aircraft, which, despite its great speed (supersonic at high altitude), is useless for air combat because of poor maneuverability.

All three new Soviet fighters have state-of-the-art aerodynamics, big radars and advanced new missiles. The Pentagon credits all three with "look-down, shoot-down" capability against low-flying attack aircraft. This means that their radars and missiles can discriminate between targets and the background clutter of the surface over which they are flying.

While Foxhound is optimized for the interception of Western strike aircraft, such as the F-111, Tornado and B-1B, with new long-range (80 miles) missiles, both Fulcrum and Flanker represent a significant tactical air-combat threat. They are greatly superior to MiG-23 Floggers, which, in Libya's hands, have been trounced by U.S. Navy Tomcats.

"Strategic aviation is making a strong comeback in the Soviet Union," the Pentagon says. Besides maintaining superiority over the new Soviet fighters, and their successors, in any conflict, ATF would also have to deal with various attack aircraft.

Known types range from 400 obsolete Badgers and obsolescent Blenders, through the swing-wing Fencer in the F-111 class (450 have been built and it is still in

production) to the bigger swing-wing Backfire, which is described by the Pentagon as "formidable" in the European and Asian context. About 160 are in service, and about 30 are being built each year.

Even the old Bear turboprop is back in production, but now carries AS-15 cruise missiles that will also be among the weapons options for the Blackjack strategic bomber. This Rockwell B-1B look-alike is being flight-tested for possible entry into service next year.

Besides the classic fighter attributes of maneuverability, firepower and speed, the ATF design will stress two less obvious features in its bid to reaffirm Western air superiority — stealth and reliability — both of which will exploit U.S. technological advances.

STEALTH is the art of reducing the chances of an enemy seeing you on radar or by electro-optical means — usually infrared — before you see him.

A high-tech extension of camouflage, stealth will be achieved in part by blending the aircraft into as smooth and unified a shape as possible, commensurate with other design objectives. This will help to disperse radar beams rather than reflect them back to searching enemy radar.

Fiber-reinforced plastic composite structures, which are chosen for their light weight and high strength, will also play a major stealth role because they are poor radar reflectors. Air-intake design will also be critical. Today's typical square-cut shapes can act like the radar-reflection augmenters that sailors fit to their yachts.

Furthermore, ATF engines will be so powerful that supersonic cruise and most combat maneuvering will be performed without need for afterburner and its heightened infrared signature. This also minimizes fuel consumption to help ATF achieve twice the combat radius and endurance of the F-15, enabling it to engage enemy fighters over their own territory.

Reliability also helps to maximize air combat time per dollar. The U.S. Air Force specification calls for ATF to be twice as reliable as the F-16 and to have drastically reduced demands on spare parts and external electronic test equipment. Currently, a fully loaded C-141 jettisonable test aircraft deployed every dozen F-15s deployed away from base. ATF must also be tolerant to battle damage.

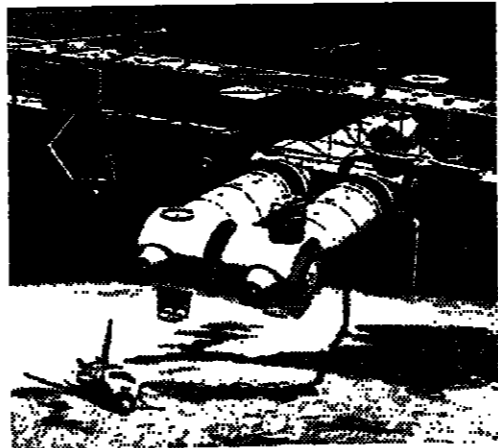
The key reliability technology is VHSIC (very high-speed integrated circuitry) which was developed in the United States to pack 100 times more digital computing power on a chip than conventional micro-electronics.

Not only do these VHSIC chips promise great reliability, but identical "common module" VHSIC circuits will be fitted to different ATF electronic subsystems, further reducing requirements for spares.

VHSIC computing power will enable distributed processing to be undertaken within radar, navigation, electronic warfare and flight-control systems, thus reducing the need for central computers, which are vulnerable to battle damage. enable ATF flight controls to be "self-repairing," that is, if elements are disabled, the remainder will work out how to fly the aircraft and indicate to the pilot what missions can still be undertaken.

PETER MIDDLETON is associate editor of Flight International magazine.

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Tilt-Rotor May Clear The Snarl

By Mark Patiky

WASHINGTON — If you are fuming over a possible missed flight while stuck in a traffic jam on the Brooklyn-Queens Expressway to New York's John F. Kennedy Airport, the autoroute to Orly in Paris, or the M4 to Heathrow in London, take heart. Your plane is probably just as delayed. This is a fact of modern life.

The public is flying more, and everyone wants to arrive in the morning and return home by nightfall. Add to that the limited capacity of most major airports, the increasing strain on archaic air traffic control systems, plus airport distances requiring longer surface jousts than scheduled air times, and you have a reason for discontent.

By 1995, New York City airports are anticipating a 40 percent increase over the current 78 million passengers, a situation regarded by one industry observer as "a prescription for chaos."

One solution to this problem lies in the tilt-rotor, an aircraft combining helicopter maneuverability and airplane cruise speeds and range. This vehicle can span distances such as those between London and Paris at 350 miles (564 kilometers) an hour and land vertically at a city-center heliport, eliminating highway snarls and crowded airport terminals.

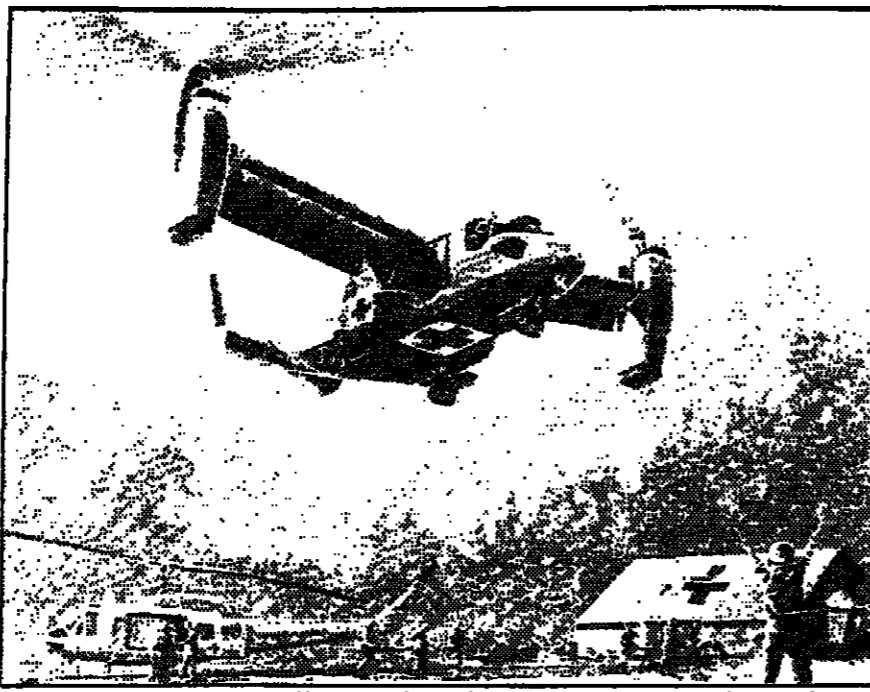
Such an aircraft is part of a \$2.5 billion joint U.S. venture between Bell Helicopter Textron and Boeing Vertol Company. Known as the V-22 Osprey, the full-scale development now in progress for the army, navy, air force and marines will be the world's first production — versus experimental — tilt-rotor.

Scheduled for its inaugural flight by February 1988, initial military deliveries are expected in 1991.

The aircraft can stand poised in a space no larger than an average parking lot. With two sets of 38-foot (11.5-meter) diameter, jet-powered propellers facing skyward, it will take off vertically like a helicopter. Then, after accelerating into horizontal flight, it will tilt its engine pods forward 90 degrees and travel skyward as a propjet. The aircraft can climb to 30,000 feet (9,150 meters) and cruise at well over 300 miles an hour.

Once at its destination, the engines will begin their reverse rotation and the craft will land gently. Quieter than a helicopter and equally maneuverable, the tilt-rotor's payload, range, speed and economy rival that of a turboprop airliner.

This "heliplane" draws on about 50 years of experimentation together with Bell's experience on a similar, proof-of-concept, tilt-rotor known as the XV-15, a research aircraft that Bell has been flying for the last 10 years.



The tilt-rotor will take off vertically and cruise at over 300 miles per hour.

The V-22 production version has only recently become an economic reality, thanks to an amalgam of emerging technologies, such as complete computer aided design, non-metallic composite materials and construction techniques, such as those used in the globe-circling Rutan Voyager, fuel-efficient turbine engine development, electronic flight control systems and associated aerodynamic advances.

Fifty-seven feet long and weighing 40,000 pounds (18,182 kilograms), the 24-troop V-22

short-haul rates, might curb passenger popularity.

Program chiefs at the National Aeronautics and Space Administration investigating a civilian tilt-rotor argue that, as with Concorde, time saving is a more critical business requirement than ticket saving.

Bell says a civilian version of the V-22 with a pressurized cabin and 36 to 44 seats would weigh about 44,000 pounds, have a range of 750 miles, cruise at 350 mph and could be flying by 1995. Such an intercity commuter plane could cut average travel time by one-third to a half, NASA officials say.

It is estimated that 50 percent to 70 percent of most airport travelers are moving less than 500 miles, an ideal range for the intercity tilt-rotor. A 44-seat commuter version would relieve airport and highway congestion by diverting a high percentage of air traffic from major hubs.

Helicopters, for example, can only fly routes economically that are less than 50 miles to 75 miles long. They cannot provide the load capacity, range, speed, comfort level or fuel efficiency demanded in the intercity market.

The tilt-rotor opens the possibility of air transportation to deep-water oil rigs, smaller cities and towns without resources for capital-intensive airports, as well as to mountain vacation areas.

Europeans are equally enthusiastic. The European Future Advanced Rotorcraft (Eurofar), a five-nation cooperative involving seven manufacturers, is conducting a \$50 million design investigation on the feasibility of a European commercial tilt-rotor by the year 2000. Although Eurofar will be playing catch-up to the Bell-Boeing development, the effort underlines the importance of the tilt-rotor in answering a crucial future air travel need worldwide.

MARK PATIKY is a Washington-based journalist specializing in the aerospace industry and science technology.

New York City airports are anticipating a 40 percent increase in traffic.

is a purely military venture. It is intended to replace fleets of old-technology helicopters no longer capable of meeting the needs of modern warfare. Because of the multibillion-dollar development funding necessary, an initial military market was the only practical route.

Once production is ready, however, the price per unit based on the 1,200 ordered under a joint services contract will be approximately \$16 million each.

This figure broaches the possibility of a commercial V-22. Such a civilian craft would probably be slightly more expensive due to smaller production volumes and the need for a pressurized cabin. Would a \$16 million, 44-seat commuter aircraft have market viability? Necessarily high fares, possibly double current

Ariane Leads the Way to Maturity

By Kenneth R. Timmerman

PARIS — "The European Space Agency is a little brother that has grown up," said Jean-Jacques Dordain, a top ESA official.

From its infancy 20 years ago, Europe has grown into a mature and inventive space power. Today, Mr. Dordain said, the European space industry has come up to the same technological level as that of the United States and the Soviet Union, "even if we aren't that big."

In 1985, ESA members decided on an ambitious suite of projects. Not happy to become mere passengers aboard the space shuttle of the National Aeronautics and Space Administration or guest scientists aboard the U.S. space station, the Europeans decided to build their own shuttle, the Hermes, and an orbital platform, the Columbus, as well as a more powerful rocket to send them aloft.

The three projects, costing \$5.4 billion, should become skyborne in the mid-1990s, bringing Europe into the era of manned space flight.

The European space program had a hard time getting started. Its first joint rocket project, Europa-1, went through nine successive launch failures before it was finally abandoned in 1969, while the budget bickering that ensued nearly doomed space cooperation altogether.

Although France launched a national satellite in 1965, and Sweden began using surplus Nike and Orion sounding rockets to launch scientific payloads into near space a year later, no European country could muster the finances necessary to pursue a major space program alone.

As a result, in 1973, 11 countries — Belgium, Britain, Denmark, France, West Germany, Ireland, Italy, the Netherlands, Spain, Sweden and Switzerland — founded the European Space Agency. The members decided to limit Ariane launch vehicle.

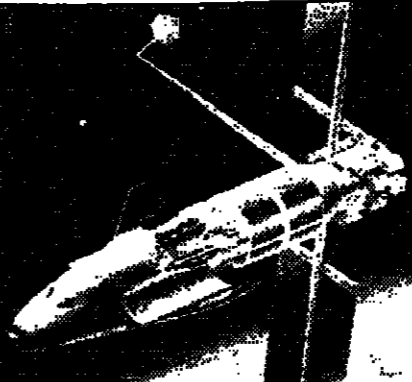
As the ESA spokesman, Jean-Paul Paillet, said, "We were never looking to put a man on the moon."

The ESA decision paid off. Despite two recent launch failures, the Ariane rocket has become a commercial success and is booked through 1990. The current backlog of 46 firm satellite launch contracts is worth 14.9 billion French francs (\$2.5 billion).

Twenty-two launch reservations have been recorded since January 1986. However, Ariane-space's international sales director, Klaus Iserland, said that the explosion of the U.S. shuttle Challenger in January 1986 "has not altered our market position; today we have 50 percent of the commercial satellite market in the West, and this has been the case for the past three years."

As a result, Ariane-space, the private venture set up to manage the launch business, has become a money-making venture, only eight years after its first successful launch. Not only did Ariane-space finish paying off Ariane development costs last September, it has also branched out into the lucrative — and risky — space insurance business with a wholly owned subsidiary company, S3R.

Ariane flights have been suspended since an



Drawing of the Hermes space plane docking with an orbiting station.

lower cost than its future trans-atmospheric competitors.

As with the Ariane rocket, neither Britain nor France can afford to develop a hypersonic commercial airliner alone. But their advanced research into aerodynamics and new propulsion systems could be pooled later into a joint development program.

The hypersonic planes are not expected to fly before 2015. In the meantime, the French are continuing to work on a followup to Concorde that will fly at 2,200 kilometers per hour (Mach 2.2).

An Aerospace spokesman said that although this supersonic transporter will use "basically the same technology as exists today, it will be much larger than Concorde and carry up to 300 passengers, with a range of 8,000 to 10,000 kilometers."

Today, European space technology has advanced to such an extent that the Europeans now rival their American counterparts in certain fields. Communications satellites from France and Sweden have begun to compete on the Third World market.

Even in photo reconnaissance and spy satellites, an area of long-standing weakness, the Europeans are beginning to catch up.

After years of hesitation, the French recently decided to build their own military observation satellite, widely believed to be an upgraded version of the commercial SPOT satellite.

In Britain, a top-secret program to build a listening satellite stationed over the Soviet Union was revealed by the British Broadcasting Corporation.

The British project, called Zircon, will cost upward of \$400 million (\$640 million) and may go aloft next year.

According to a BBC program that was banned from the air in January, Zircon will be disguised as one of Britain's Skynet military communications satellites and will be capable of intercepting telephone and radio communications inside the Soviet Union and beaming them back to ground-based receiving stations — a capability long available to the United States.

Europe's commercial satellite business will also get a boost once the Columbus space station is launched near the end of the century.

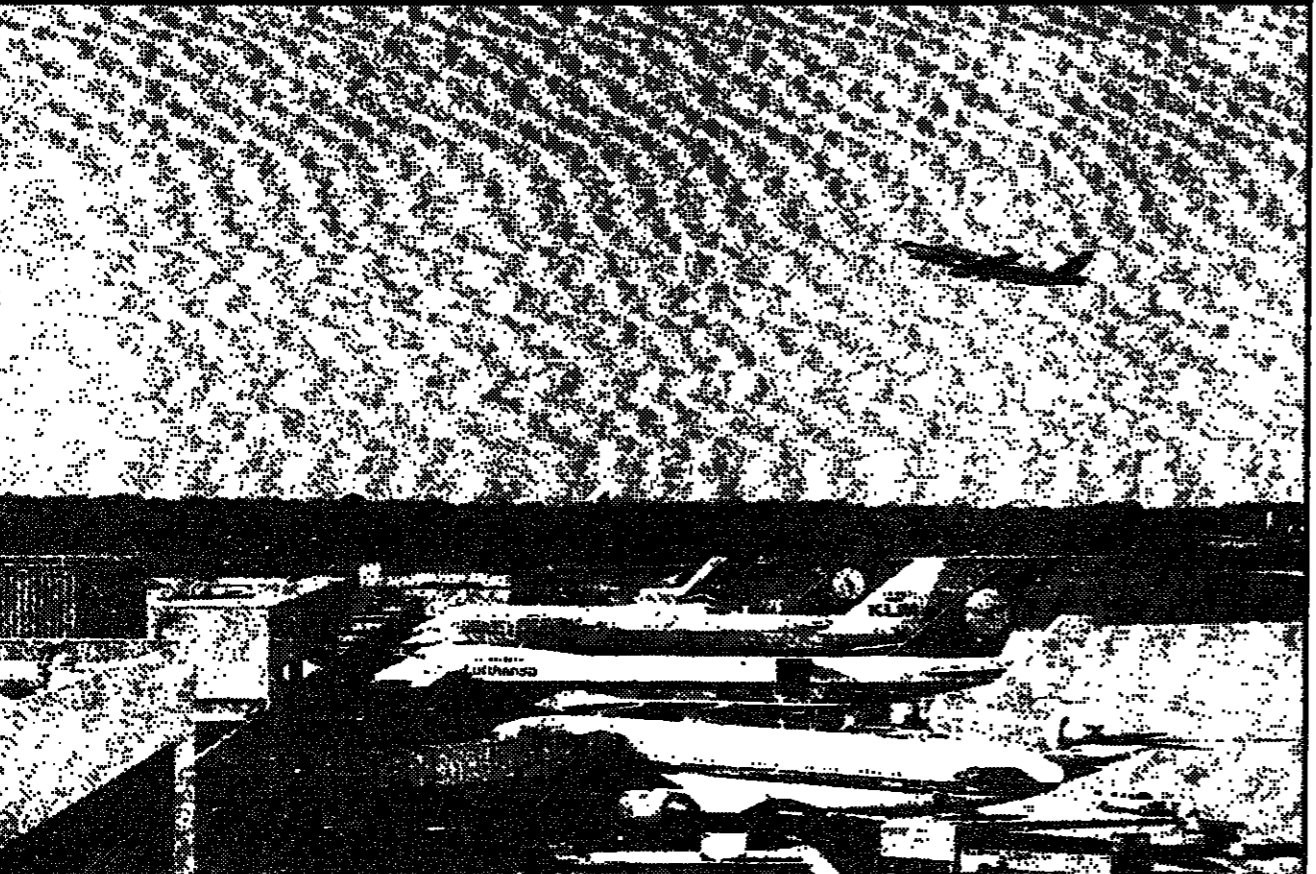
Aerospace executives in France, Britain, West Germany and Sweden are already looking forward to the day when strings of European-made satellites, tethered on ultra-strong composite threads as fine as a spider's web, will follow Columbus around on Earth orbit.

"Tethering" the satellites means they can be serviced while in orbit, thus prolonging their life.

Mr. Dordain of ESA believes that Columbus will open up a new field in the not-so-distant future: that of commercial space production. New alloys, vaccines, crystals and other products difficult to manufacture on Earth could be made in space, using totally automated production modules stationed in permanent Earth orbit.

KENNETH R. TIMMERMAN, associate editor for the Washington-based Journal of Defense and Diplomacy, is the author of "Fanning the Flame," a study about arms sales to Iraq and Iran.

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<p>This announcement appears as a matter of record only</p> <p>\$195,415,000</p> <p>NORTHWEST</p> <p>Sale and Leaseback of One Boeing 747-200F Aircraft and Two Boeing 747-251B Aircraft</p> <p>The undersigned acted as financial advisor to the Lessee, advised and arranged the financing, and acted as arranger in this transaction and as arranger in the negotiations.</p> <p>Bankers Trust Company</p>	<p>This announcement appears as a matter of record only</p> <p>\$170,871,701</p> <p>AA American Airlines</p> <p>Finance Lease of Four Boeing 767-232ER Aircraft</p> <p>The undersigned acted as financial advisor to the Lessee, advised and arranged the financing, and acted as arranger in this transaction and as arranger in the negotiations.</p> <p>Bankers Trust Company</p>
<p>This announcement appears as a matter of record only</p> <p>\$58,181,322</p> <p>AA American Airlines</p> <p>Finance Lease of Three McDonnell Douglas DC-9-82 Aircraft</p> <p>The undersigned acted as financial advisor to the Lessee, advised and arranged the financing, and acted as arranger in this transaction and as arranger in the negotiations.</p> <p>Bankers Trust Company</p>	<p>This announcement appears as a matter of record only</p> <p>\$90,000,000</p> <p>NORTHWEST</p> <p>Leveraged Lease Financing of One Boeing 747-251B Aircraft</p> <p>DCI Inc. (Equity Investor)</p> <p>The undersigned arranged the participation of one stockholder in the equity financing.</p> <p>Bankers Trust Company</p>
<p>This announcement appears as a matter of record only</p> <p>\$45,809,700</p> <p>CAAC</p> <p>Department of International Affairs of Civil Aviation Administration of China People's Republic of China</p> <p>Cross-Border Lease Financing of Three British Aerospace 146-100 Aircraft</p> <p>The undersigned advised and arranged the transaction.</p> <p>Bankers Trust Company</p>	<p>This announcement appears as a matter of record only</p> <p>\$90,000,000</p> <p>NORTHWEST</p> <p>Leveraged Lease Financing of One Boeing 747-251B Aircraft</p> <p>The undersigned arranged the participation of one stockholder in the equity financing.</p> <p>Bankers Trust Company</p>

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Monday's NYSE Closing

Tables include the nationwide prices up to the closing on Wall Street and do not reflect late trades elsewhere.

12 Month High Low Stock Div. Yld. PE 52 Weeks High Low Open Change

(Continued)

23	20	15%	20	11	23	23	21	22	
24	21	16%	16	10	16	16	15	16	
25	22	17%	15	10	15	15	14	15	
26	23	18%	14	10	14	14	13	14	
27	24	19%	13	10	13	13	12	13	
28	25	20%	12	10	12	12	11	12	
29	26	21%	11	10	11	11	10	11	
30	27	22%	10	10	10	10	9	10	
31	28	23%	9	10	9	9	8	9	
32	29	24%	8	10	8	8	7	8	
33	30	25%	7	10	7	7	6	7	
34	31	26%	6	10	6	6	5	6	
35	32	27%	5	10	5	5	4	5	
36	33	28%	4	10	4	4	3	4	
37	34	29%	3	10	3	3	2	3	
38	35	30%	2	10	2	2	1	2	
39	36	31%	1	10	1	1	0	1	
40	37	32%	0	10	0	0	0	0	

12 Month High Low Stock Div. Yld. PE 52 Weeks High Low Open Change

(Continued)

12	10	70%	0.12	5	12	12	11	12	
13	11	75%	0.15	5	11	11	10	11	
14	12	80%	0.18	5	12	12	11	12	
15	13	85%	0.21	5	13	13	12	13	
16	14	90%	0.24	5	14	14	13	14	
17	15	95%	0.27	5	15	15	14	15	
18	16	100%	0.30	5	16	16	15	16	
19	17	105%	0.33	5	17	17	16	17	
20	18	110%	0.36	5	18	18	17	18	
21	19	115%	0.39	5	19	19	18	19	
22	20	120%	0.42	5	20	20	19	20	

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(Continued)

1	10	70%	0.12	5	10	10	9	10	
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4	13	85%	0.21	5	13	13	12	13	
5	14	90%	0.24	5	14	14	13	14	
6	15	95%	0.27	5	15	15	14	15	
7	16	100%	0.30	5	16	16	15	16	
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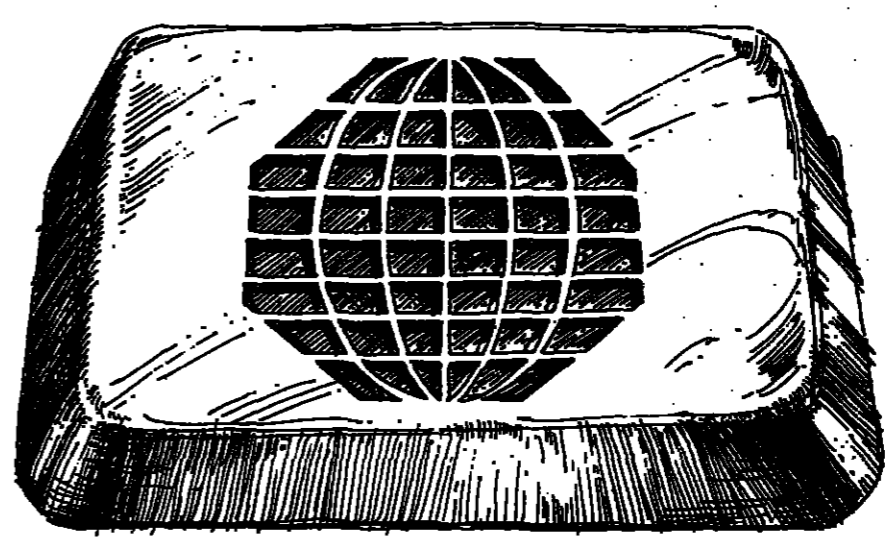
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BUSINESS ROUNDUP

Perrier Agrees to Buy Big U.S. Water Bottler

By Jacques Necher. Special to the Herald Tribune. PARIS — Perrier Group of America, a subsidiary of France's Source Perrier, said Monday that it had agreed to buy BCI Arrowhead Drinking Water Co., the largest processor and distributor of bottled water in the United States.

\$200 million in annual sales, according to industry estimates. However, in recent years, the company has moved into the non-carbonated domestic sector, buying small regional brands: Calistoga Mineral Water of California, Oasis Water Co. of Texas and Poland Springs of Maine. This year, it purchased Zephyr Hill of Florida.

Dynamics Plans To Build 18 Atlas Launchers

The Associated Press. PARIS — General Dynamics Corp. said Monday that it would build 18 new Atlas Centaur launch vehicles for commercial use requiring an investment of about \$100 million.

Bank of Montreal to Reject Amoco's Offer for Dome

OTTAWA — Bank of Montreal, a major creditor of Dome Petroleum Ltd., said Monday it would reject Amoco Corp.'s 5.1 billion dollar (\$3.8 billion) takeover bid for the Canadian oil company, effectively thwarting the current merger accord.

Britain Affirms Its Plans to Privatize Airport Authority

LONDON — Prime Minister Margaret Thatcher's government announced Monday that it would press ahead with its privatization program by offering shares in British Airports Authority, which runs seven airports.

The offering is expected to raise at least £1 billion (\$1.65 billion). The announcement came as BAA, whose airports include London's Heathrow and Gatwick, announced a pretax profit of £124 million for 1986, up a slight 2 percent from £122 million from 1985.

Mr. Channon said that the prospectus for the sale of the airport authority would be issued Monday. The Conservative government of Mrs. Thatcher, who won reelection to a third five-year term Thursday, has privatized British Gas, British Airways, British Telecom, Trustee Savings Bank and aero-engine maker Rolls-Royce PLC.

Norsk Delays Oil Field Work

OSLO — Norsk Hydro A/S said Monday that it had delayed for tax reasons the 7-billion kroner (\$1.05 billion) second-phase development of the Oseberg oil field.

Olivetti Plans Office Venture With Spanish Firm, Others

MADRID — AMPER SA, a Spanish manufacturer of telephone equipment, is to join Olivetti SpA and other European companies in a venture to develop and sell office communications systems.

Singapore to Sell 5% of Airline to Public

SINGAPORE — Temasek Holdings Pte., a government investment arm, will sell at least 30 million shares, or 5 percent, of Singapore Airlines Ltd. to the public at 13 Singapore dollars (\$6.16) a share, Temasek's deputy chairman said Monday.

Chemical Bank Home Loans

Special Terms for UK Mortgages. 100% mortgages for expatriates. Highly competitive rates. Phone Barrie Lewis-Ranwell on 01-380 5019/5214

PENSION: Change at Dutch Fund

(Continued from first finance page) given it a major role in the economy and made it a key player on Amsterdam's stock and bond markets.

AMSTERDAM DEPOSITARY COMPANY N.V.

The Board of Directors of Nippon Yusen Kabushiki Kaisha, has announced that shareholders, who will be registered in the books of the Company on 31st March, 1987 (Tokyo time) will be entitled to receive a 4% gratis distribution of new shares.

ADVERTISEMENT

NIPPON YUSEN KABUSHIKI KAISHA CDR's. The Board of Directors of Nippon Yusen Kabushiki Kaisha, has announced that shareholders, who will be registered in the books of the Company on 31st March, 1987 (Tokyo time) will be entitled to receive a 4% gratis distribution of new shares.

The Investment Banking Division is pleased to announce the formation of an Asia Group Tokyo. Patrick L. North, Managing Director & Asia Group Head. Everett E. Myers, Jr., Vice President. Frank R. Packard, Vice President. E. Perot Bissell, Associate. Hong Kong. Naseer Doha, Executive Director. Hock Yap, Vice President. Jason So, Associate. PaineWebber Incorporated.

NEW ISSUE June 15, 1987. \$515,907,070.39 CFC-1 Grantor Trust 8.30% Asset Backed Certificates. CHRYSLER FINANCIAL CORPORATION Seller. Each Certificate will represent a fractional undivided interest in the CFC-1 Grantor Trust (the "Trust") to be formed by Chrysler Financial Corporation. The Trust property will include a pool of retail installment sale contracts secured by new and used automobiles and light trucks (the "Receivables").

THE AUDEMARS PIGUET ROYAL OAK. NOTHING CAN EQUAL THE ORIGINAL. The Royal Oak. One of the greatest designs of the 20th century. Audemars Piguet. La plus prestigieuse des signatures. For information, please write to Audemars Piguet & Co. S.A., 1348 Le Brassus, Switzerland.

FOREIGN & COLONIAL RESERVE ASSET FUND. A: U.S. DOLLAR "CASH" \$10.09. B: MULTICURRENCY "CASH" \$14.27. C: DOLLAR BONDS \$12.85. D: MULTICURRENCY BONDS \$17.21. E: STERLING BONDS \$11.91. F: DEUTSCH-MARK BONDS \$M10.67. G: YEN BONDS ¥EN161.50. H: ECU BONDS ECU10.81. I: STERLING EQUITY \$13.22. M: U.S. EQUITIES \$13.97. N: JAPANESE EQUITIES ¥EN1340.00. O: GLOBAL EQUITIES \$12.51. X: STERLING "CASH" \$10.18. Z: GOLD \$10.98.

Monday's NYSE Closing

Tables include the nationwide prices up to the closing on Wall Street and do not reflect late trades elsewhere.

12 Month High Low Stock Div. Yld. P/E 100-High Low Quot. Chg.

(Continued)

12 Month High Low Stock Div. Yld. P/E 100-High Low Quot. Chg.

12 Month High Low Stock Div. Yld. P/E 100-High Low Quot. Chg.

12 Month High Low Stock Div. Yld. P/E 100-High Low Quot. Chg.

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12 Month High Low Stock Div. Yld. P/E 100-High Low Quot. Chg.

12 Month High Low Stock Div. Yld. P/E 100-High Low Quot. Chg.

U.S. Futures Via The Associated Press

Season Season High Low Open High Low Close Chg.

Grains

Food

Metals

Livestock

Currency Options

Financial

París Commodities

London Commodities

Dividends

U.S. Treasuries

London Metals

DM Futures Options

Sosnoff Drops Bid For Caesar's World

MUNICIPAL BONDS (CBT)

EURODOLLARS (IMM)

EUROPEAN CURRENCY (IMM)

CANADIAN DOLLAR (IMM)

GERMAN MARK (IMM)

JAPANESE YEN (IMM)

CRUDE OIL (NYMEX)

Stock Indexes

Commodity Indexes

Market Guide

DM Futures Options

Sosnoff Drops Bid For Caesar's World

S&P 100 Index Options

S&P 100 Index Options

S&P 100 Index Options

Company Results

Revenue and profit in millions of dollars

Kluwer Accepts Merger With Wolters Samsom

AMSTERDAM — The Dutch publisher Kluwer NV, the target of a hostile takeover bid by Elsevier NV, said Monday it had agreed to a merger with a third publisher, Wolters Samsom Group NV.

French Company Plans Chinese Space Launch

PARIS — China has agreed to launch two space experiments for Matra, a French defense and electronics group, the company announced Monday at the Paris Air Show.

12 Month High Low Stock Div. Yld. P/E 100-High Low Quot. Chg.

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12 Month High Low Stock Div. Yld. P/E 100-High Low Quot. Chg.

12 Month High Low Stock Div. Yld. P/E 100-High Low Quot. Chg.

Mondays AMEX Closing

Tables include the following prices and do not reflect fees elsewhere. Via The Associated Press

Table with columns: 12 Month High, Low, Stock, Div, Yld, PE, 52 Week High, Low, Open, Close, Chg. Includes various stock listings.

Table with columns: 12 Month High, Low, Stock, Div, Yld, PE, 52 Week High, Low, Open, Close, Chg. Includes various stock listings.

Table with columns: 12 Month High, Low, Stock, Div, Yld, PE, 52 Week High, Low, Open, Close, Chg. Includes various stock listings.

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Table with columns: 12 Month High, Low, Stock, Div, Yld, PE, 52 Week High, Low, Open, Close, Chg. Includes various stock listings.

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Table with columns: 12 Month High, Low, Stock, Div, Yld, PE, 52 Week High, Low, Open, Close, Chg. Includes various stock listings.

Floating-Rate Notes

Table listing floating rate notes with columns: Issuer/Note, Coupon, Maturity, Bid, Ask. Includes entries for various banks and institutions.

Pounds Sterling

Table listing floating rate notes in Pounds Sterling with columns: Issuer/Note, Coupon, Maturity, Bid, Ask.

Deutsche Marks

Table listing floating rate notes in Deutsche Marks with columns: Issuer/Note, Coupon, Maturity, Bid, Ask.

Japanese Yen

Table listing floating rate notes in Japanese Yen with columns: Issuer/Note, Coupon, Maturity, Bid, Ask.

Run silent, run deep.

Quietly and smoothly our financial talents flow through our many financial institutions in 64 countries. From their source in France, where we deal with some 300,000 corporate clients, great and small. Including well over 200 of the top 250 French groups. On through Europe, to the City of London, where our financial acumen runs through our own commercial and merchant banking institutions. We are in the main stream of international finance. That's why we have become a world leader in property leasing. And one of the two main French banks for Eurobonds, with a specialized subsidiary based in London. The funds we manage in French Unit Trusts and Mutual Funds have increased tenfold in 5 years. Channelling our activities into 4 major holding companies, each a distinct subgroup: banking, finance, industrial and commercial investment, and property. Drawing on our experience as banker to the French government for international borrowings. Acting as financial advisor to many of the major French groups currently being privatised. As the swiftly moving currents of the financial world sweep on into the future, our expertise have broadened to include specific responses to today's new markets. Such as FIMAT, our innovative financial futures unit in France. Others may make a splash, but Societe Generale runs silent and runs deep. And with more than a touch of talent. Non French Institutional Investors requiring information should call our Institutional Investors Department, Paris : 1.40.98.45.39.

SOCIÉTÉ GÉNÉRALE

Monday's AMEX Closing

Table with columns for 12 Month High/Low, Stock, Div., Yld., PE, and Close. Lists various stocks and their performance.

Table with columns for 12 Month High/Low, Stock, Div., Yld., PE, and Close. Lists various stocks and their performance.

Table with columns for 12 Month High/Low, Stock, Div., Yld., PE, and Close. Lists various stocks and their performance.

BUSINESS PEOPLE

Fannie Mae President Eyes Mellon

By Arthur Higbee International Herald Tribune. Frank V. Cahoon is resigning as president and chief operating officer of the Federal National Mortgage Association...

DE HAVILLAND: Boeing Aims to Boost Efficiency

(Continued from first page) bidders, made what was viewed as a potentially rewarding transaction. Of the 155 million dollars that it paid for de Havilland...

Chrysler Capital Promotes Bowes To Presidency

New York Times Service GREENWICH, Connecticut - Chrysler Capital Corp. has promoted John M. Bowes to president and chief executive...

Japan Indicts 2 Over Toshiba's Sales to Soviet

TOKYO - Two Toshiba Machine Co. executives were indicted Monday on charges of violating Japan's foreign-exchange laws...

AMEX High-Lows

Table listing AMEX High-Lows for various stocks, including columns for stock name, high, low, and change.

IF YOU GET A KICK OUT OF SOCCER, READ ROB HUGHES WEDNESDAYS IN THE IHT

Advertisement for Rob Hughes' column 'IF YOU GET A KICK OUT OF SOCCER, READ ROB HUGHES WEDNESDAYS IN THE IHT'.

The Chicago Board Options Exchange announces the opening of our new European office.

Advertisement for The Chicago Board Options Exchange, featuring a photograph of a man and text describing the exchange's services and European office opening.

INTERNATIONAL FUNDS (Quotations Supplied by Funds Listed) 15th June 1987

Large table listing international funds with columns for fund name, price, and other details.

Vertical advertisement on the right edge of the page, including 'OTC' and other text.

Dollar Rises on Japanese Remarks

NEW YORK — The dollar closed higher Monday against all of the major foreign currencies, supported in part by comments from Japan's finance minister and a general market feeling that the short-term outlook is bullish.

London Dollar Rates table with columns for currency, rate, and change.

Conservative Party's big victory in Thursday's general election had not materialized. The pound slipped to \$1.6305 in London on Monday from \$1.6525 on Friday, and to 2.9778 DM from 2.9880 DM.

Lawson Says U.K. Can Review Position on EMS

LUXEMBOURG — Nigel Lawson, the chancellor of the Exchequer, said Monday that the British government had not changed its position against membership in the European Monetary System.

Miyazawa Says Summit Agreed on Dollar

TOKYO — Leaders of the seven major industrialized democracies agreed at the economic summit meeting in Venice that the dollar had bottomed out, Finance Minister Kiichi Miyazawa of Japan said Monday.



Finance Minister Kiichi Miyazawa in Tokyo on Monday.

STOCKS: London Hits High

Volume hit record levels Friday, following news of Prime Minister Margaret Thatcher's return to power. Around 950 million shares were traded, markedly above the previous record of 918 million set May 20.

BIS: Industrial Powers Are Told That Failure to Harmonize Policies Could Cause Global Harm

WASHINGTON — The BIS said Monday that industrialized nations should harmonize their economic policies to avoid global harm.

The BIS said that industrialized nations should harmonize their economic policies to avoid global harm. It warned that failure to do so could result in a plunge in the dollar's exchange rate and throw into question the ability of the United States to attract the capital inflows needed to finance its international payments deficit.

Luxembourg Says U.K. Can Review Position on EMS

LUXEMBOURG — Nigel Lawson, the chancellor of the Exchequer, said Monday that the British government had not changed its position against membership in the European Monetary System.

Miyazawa Says Summit Agreed on Dollar

TOKYO — Leaders of the seven major industrialized democracies agreed at the economic summit meeting in Venice that the dollar had bottomed out, Finance Minister Kiichi Miyazawa of Japan said Monday.

'Fatigue' With Baker Debt Plan Is Reported

BASEL, Switzerland — A lasting solution to the Third World debt crisis still seems a long way off, especially after setbacks last year, the Bank for International Settlements said Monday.

But those efforts by the debtor countries would not be enough to pull them out of their present difficulties without markets to export to and access to outside funds — preferably not in the form of more debt, the BIS report said.

Monday's OTC Prices section with a logo and introductory text.

Monday's OTC Prices table listing various stocks and their prices.

Table of stock prices and market data, including columns for stock names, prices, and changes.

Table of stock prices and market data, including columns for stock names, prices, and changes.

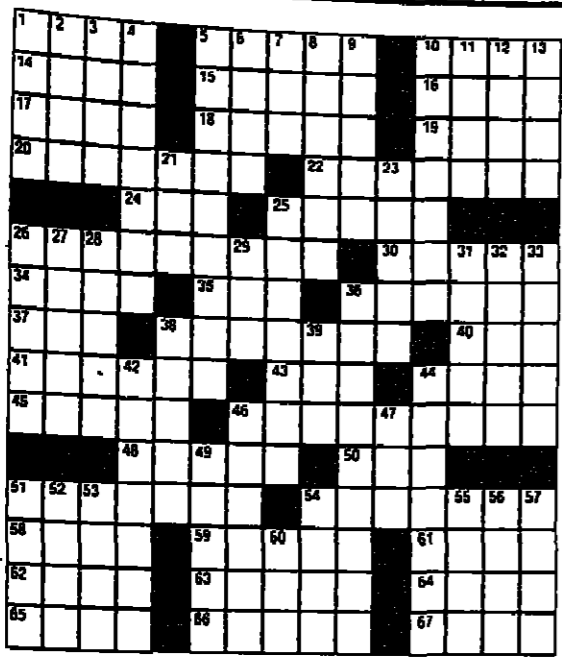
Table of stock prices and market data, including columns for stock names, prices, and changes.

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Small text at the bottom of the page providing additional information and disclaimers.



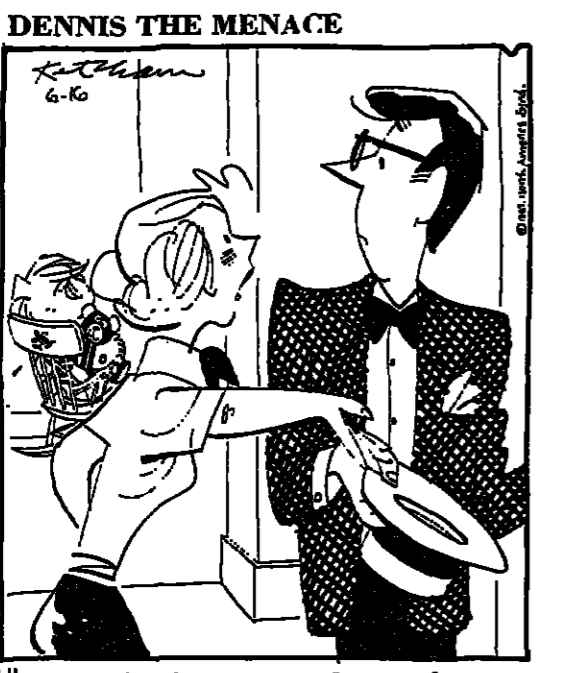
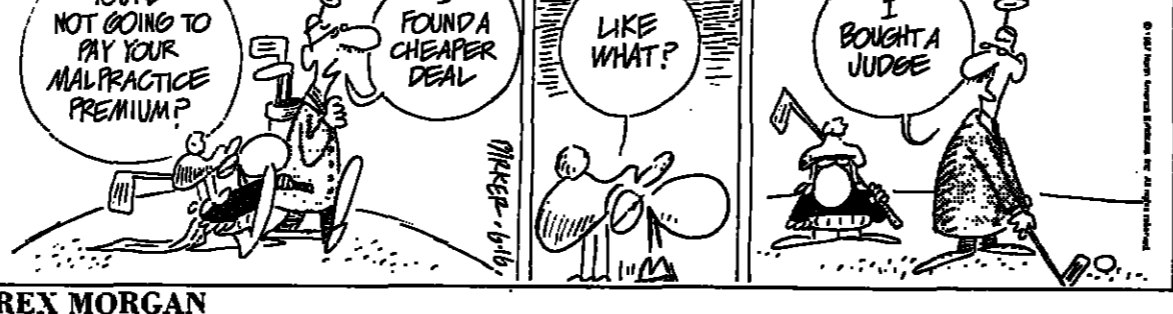
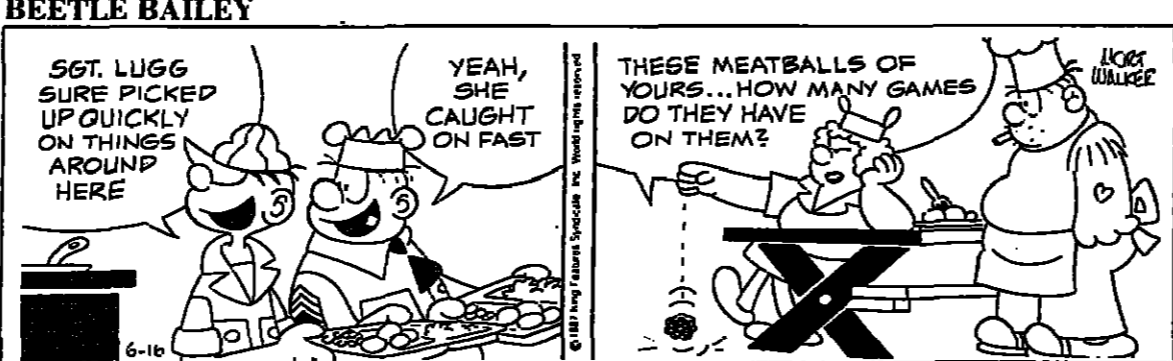
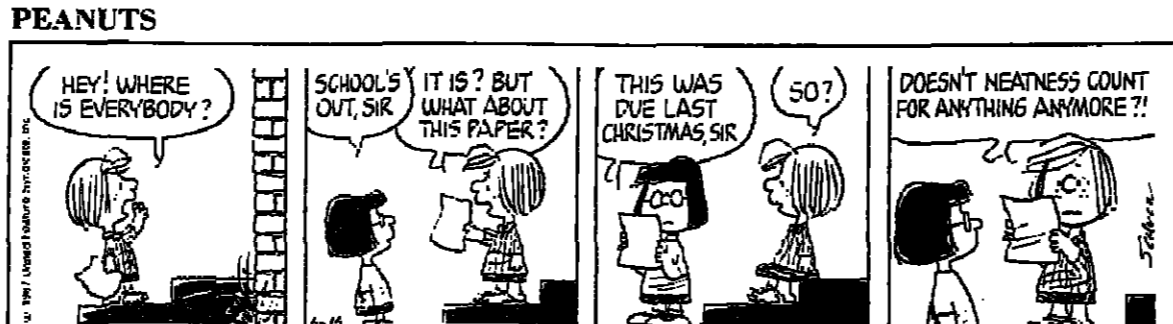
ACROSS

1 Mop
5 Camer, etc.
10 Chesterfield or blazer
14 A Mitchell plantation
15 Bizarre
16 Gymnast Korbut
17 Enthusiastic
18 Beginning
19 Close
20 Pragmatic person
22 Movie fare
24 Put to good use
25 "Macabre"
26 Dorsett feat
30 Tows
34 Good-looking man: slang
35 Lode
36 Ingredient
37 Phone
38 Capistrano visitor
40 Kind of angle
41 He cometh onstage
43 Gehrig or Groza
44 Elem.-sch. head

DOWN

1 Have the lead
2 Billow
3 Operatic show-stopper
4 Misfortune
5 Pillow filling
6 Em or Pittypat
7 That thing's
8 Start again
9 Mother or Anya
10 Hide
11 Buttermilk
12 Gelling substance
13 Mountain lake

21 Somewhat: Suffix
23 "Shucks!"
25 Talk about repeatedly
26 Churchill's
— Finest Hour
27 Part of a pound
28 Indy name
29 "— pro nobis"
31 Very
32 Sensational
33 Backbone
36 N.A.S.A.
arithmetic
38 More rational
39 Moo
42 No longer
44 Apportion
46 Postprandial chore
47 Divinity
48 "— bleat!"
51 Spade and Hill
52 Words of understanding
53 Diminutive ending
54 Neighborhood
55 Writer
56 Wood strip
57 Pearl Buck book
60 Aardvark's tidbit



JUMBLE THAT SCRAMBLED WORD GAME
Unscramble these four Jumbles, one letter to each square, to form four ordinary words.

ENATE
DARRO
TENCED
SPICHY

Now arrange the circled letters to form the surprise answer, as suggested by the above cartoon.

Answer here: A

Yesterday's Jumble: WHEEL LUSTY BEATEN DEFILE
Answer: What lunar said about the game, after moon made him a new baseball uniform—it's ALL "SEWED" UP

WEATHER

EUROPE HIGH LOW C F ASIA HIGH LOW C F

AMSTERDAM HIGH LOW C F

BRUSSELS HIGH LOW C F

FRANKFURT HIGH LOW C F

PARIS HIGH LOW C F

ROME HIGH LOW C F

VIENNA HIGH LOW C F

WASHINGTON HIGH LOW C F

NEW YORK HIGH LOW C F

LOS ANGELES HIGH LOW C F

HONOLULU HIGH LOW C F

TOKYO HIGH LOW C F

World Stock Markets
Via Agence France Presse Closing prices in local currencies, June 15.

Market	Index	Change
Amsterdam	447.83	+0.20
Brussels	1000.10	+0.10
Frankfurt	1000.10	+0.10
Paris	1000.10	+0.10
Rome	1000.10	+0.10
Vienna	1000.10	+0.10
Washington	1000.10	+0.10
New York	1000.10	+0.10
Los Angeles	1000.10	+0.10
Honolulu	1000.10	+0.10
Tokyo	1000.10	+0.10

BOOKS

ALVAREZ: Adventures of a Physicist
By Luis W. Alvarez. 292 pages. \$19.95.

RABI: Scientist and Citizen
By John S. Rigden. 302 pages. \$21.95.
Both published by Basic Books, 10 East 53rd Street, New York, N.Y. 10022.

Reviewed by Alan Lightman

ONE senses Luis Alvarez's deep regret that he has been praised only by the great physicists alive, that Rutherford and Faraday and Newton cannot find their way to Berkeley to celebrate his work. Resigned to present and future admirers, Alvarez tells us in his autobiography, "Alvarez," that he had the youngest Nobel Prize citation ever, was the first physicist to win the National Medal of Science, the first to use cosmic rays for a practical purpose, the first civilian to land an airplane under radar control (using the first ground-controlled approach system, which he invented). Once our eyes have adjusted to this incandescent egotism, we indeed see a genius, who eventually endears himself with astonishing honesty.

Beyond its self-portrait, "Alvarez" provides an exceptionally clear view of the world of science. Still active in his mid-70s, Alvarez is already a legend. His career has been unconventional. If Alvarez had only perfected the hydrogen bubble chamber to track subatomic particles, transformed the cyclotron into a working tool, discovered the capture of electrons by atomic nuclei, and helped develop radar, he would be remembered. But, like a grand chess master, he has stumped the crowd with some totally unexpected moves. He developed a method for "X-raying" Egyptian pyramids (using cosmic rays from space instead of X-rays from the lab), so that hidden chambers could be located from the outside. With his geologist son, Walter, he discovered an anomalous layer of iridium deposited in rocks at the Cretaceous-Tertiary boundary, when the dinosaurs died out. Then he helped propose that the iridium had come from a giant asteroid, which threw dust in the air and blocked out the sun for several years.

Luis Alvarez's apparent lack of interest in anything not physics is matched by the multiple passions of I. Rabi, who might leave the lab to go to the opera and who is the subject of John Rigden's well-researched biography, "Rabi." Rabi won his Nobel Prize in physics in 1944, for developing new methods for measuring the magnetic properties of atomic nuclei. Born in 1898 in Eastern Europe and brought up as an Orthodox Jew in Brooklyn, Rabi resolved in college never to read in the subjects he was taking courses. If he was taking a course in chemistry, he might be reading Freud. Although religion was eventually transcended by physics, God remained a symbol for truth. Whenever one of Rabi's students came to him with a scientific problem, Rabi asked only one question: "Will it bring you nearer to God?" The students always understood what he meant.

Some of Rabi's greatest discoveries were made because of his laziness and distaste for details. He invented the technique of reversing the magnetic fields along the path of particles in molecular beams because this new procedure allowed a quick determination of nuclear spins, without any calculations. Rabi complains that the old way of making this measurement required that you "sit down and just calculate it from the data points. . . That didn't please me, it seemed to me a tedious sort of thing."

One is struck by the contrasts between Rabi and Alvarez. Rabi opposed the atomic bomb. Rabi used the prestige of his Nobel to back causes. Alvarez refused to sign petitions for fear of being used. Rabi left active research after World War II to become a statement of science. Alvarez could never stop doing physics.

Alan Lightman, an astrophysicist at the Smithsonian Institution who teaches at Harvard, wrote "A Modern Day Yankee in a Connecticut Court." He wrote this review for The Washington Post.

CHESS

By Robert Byrne

THE Max Euwe Memorial tournament in Amsterdam, celebrating the birthday of the late world champion from the Netherlands, ended in a tie between another former world champion, Anatoly Karpov of the Soviet Union and Jan Timman, currently the top Dutch grandmaster.

Each scored 4-2 in the elite double round invitational competition.

Viktor Korchmoy of Switzerland, erstwhile challenger of Karpov, was third with 2½-3½. The Dutch grandmaster John Van der Wiel came last with a 1½-4½ tally. In one of his two games with Van der Wiel, Timman gave a logical demonstration of how White uses a spatial advantage against the King's Indian Defense.

One point of countering White's Saemisch System by the scheme with 7...P-QR4, 9...N-N3, 10...P-P, and 12...P-R7 to open lines in the center and on the queen's flank to create possibilities of diverting White from concentrating all his forces in a mating attack.

The trouble was that White's 10...P-P gave White the powerful control of the center with a Maroczy bind. Moreover, the black knight at QN3

was misplaced. The tactical justification for Van der Wiel's 13...O-O was the standard positional play with 14 BxP1, NcK1; 15 NcN, Q-R5ch; 16 P-N3, QxP, which lets Black recover the lost pawn with an advantageous two-bishop position.

Timman's 16 N/4-N4 made counterplay by...P-B3 and...N-B4 unthinkable. How was Black to free his game now? On 18 N-Q5, Van der Wiel could not dream of defense by 78...NcK1 because the little combination with 19 N/Q5xP1, NcN; 20 NcK1 forces the recovery of the piece Van der Wiel came last with a pawn ahead.

His 18...NcN; 19 BxPcN unfortunately opened the QB file for Timman's rooks; this was not balanced by the anemic counter with 19...P-KB4.

The move that decisively changed the White attack was 30 BxN, forcing 30...P-B3 because 30...RxB? permits 31...N-N3, 32...P-P, and 33...RcK1. Timman leisurely led up to the powerful breakthrough with 37 P-Q6, which was a pawn ahead. R-K3; 38 RxBP, defense by 38...RcR would have been useless because 39 P-R, B-B3; 40 R-N7; 10...PcP; 11 NcP gave White the powerful control of the center with a Maroczy bind. Moreover, the black knight at QN3

Chessboard diagram showing a chess game in progress.

Position after 29...R-B1

Stock market data for various cities including Amsterdam, Brussels, Frankfurt, Paris, Rome, Vienna, Washington, New York, Los Angeles, Honolulu, Tokyo, Singapore, Milan, Zurich, Stockholm, Sydney, Sao Paulo, London, Madrid, and Tokyo.

SPORTS

Balanced Lakers Spurt to Fourth Title in Eight Years

By Anthony Corton
Washington Post Service
INGLEWOOD, California — Stilled and settled in the first two periods, the Los Angeles Lakers used an 18-2 burst at the start of...

season, were playing as if they'd rediscovered the fountain of youth. Center Robert Parish was recapturing his reputation as the best running big man in the league...

covered it with no defender in front of him, scoring on a dunk with 9:30 left in the third quarter and giving Los Angeles its first lead since 10:9 five minutes into the game.

gotta shoot the ball well against them because that can cover a multitude of mistakes. But if you don't, then you've got problems because then they can run. And that's what they're all about.



Kareem Abdul-Jabbar, who led the winners with 32 points, tightly guarded by Bill Walton during the first half of Game 6.

SCOREBOARD

Basketball

NBA Championship

Table with columns for Game 6, Los Angeles Lakers, and Boston Celtics. Includes stats for points, rebounds, assists, and steals.

Baseball

Sunday's Major League Line Scores

Table showing Major League Baseball line scores for various teams including Milwaukee, Toronto, St. Louis, and others.

Major League Standings

Table showing Major League Standings for the American League and National League, including Eastern and West Divisions.

COMPOSITE BOX SCORE

Table showing composite box scores for various sports events, including basketball and tennis.

Tennis

Table showing tennis match results, including Queens Club Tournament and other matches.

Major League Leaders

Table showing Major League Leaders for batting average, home runs, and other statistics.

Road to the '87 Finals

Table showing the road to the 1987 NBA Finals, listing teams and their records.

European Soccer

Table showing European Soccer results, including Spanish First Division and other leagues.

NBA Champions

Table listing NBA Champions from 1984 to 1986, including teams and MVPs.

Transition

BASEBALL
American League
CHICAGO—Activated Dante Hill, infielder, from the 15-day disabled list.

McEnroe Out Of Wimbledon; Back Problems

United Press International
LONDON — John McEnroe withdrew from the Wimbledon tennis tournament Monday because of back problems.

Spinks-Cooney Fight Lacks Punch at the Box Office

By Phil Berger
New York Times Service
ATLANTIC CITY, N.J. — At the April news conference at which his match against Michael Spinks was formally announced, Gerry Cooney emerged from a cloud of smoke.

Padres, on a Roll, Win Third Straight

Compiled by Our Staff From Dispatches
SAN FRANCISCO — The San Diego Padres, returning to the stadium where they began this dismal season by dropping three games, Sunday built its first three-game winning streak of the year with a 4-1 triumph over the San Francisco Giants.

BASEBALL ROUNDUP

Manager Larry Bowa after Dave Dravecky's five-hitter game brought San Diego's record to 18-46. "This is where we started, maybe this is the place where we turn it around," said Carmelo Martinez.

NBA Playoff MVPs

Table listing NBA Playoff MVPs from 1987 to 1989, including players like Earvin Johnson and Larry Bird.

Hockey

National Hockey League
BUFFALO—Traded its fourth-round draft choice to Edmonton for the Oilers' fourth-round choice, centerman Brad Marsh.

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Pages 22 & 4 FOR MORE CLASSIFIEDS

ART BUCHWALD

Little Miss Shredder

WASHINGTON — When Fawn Hall testified last week to the congressional Irangate committee, there were signs of envy in offices all over America. The signs had nothing to do with Hall's looks but rather with how she performed as Olive North's secretary.



Buchwald

No one had ever seen a secretary who behaved like Hall, and after these hearings they may never see one again. Faithful, skilled and discreet beyond imagination, Fawn is the yardstick by which all future secretaries will be measured.

Dance Named 'Streetcar' To Open Spoleto Festival

ROME — A dance version of Tennessee Williams' play, "A Streetcar Named Desire," by the Stuttgart Ballet, choreographed by John Neumeier, will open Gian Carlo Menotti's Festival of Two Worlds June 24-July 12 in Spoleto.

'Buddy' Films: A New Twist

By Michael E. Ross

In the recent film "Lethal Weapon," the two protagonists (Danny Glover and Mel Gibson) meet for the first time in a manner that is a painful but apt metaphor for much of race relations today: volatile, contentious, explosive, both men victims of mistaken identity.

From this beginning, however, the two men develop an on-the-job friendship that forms the emotional glue of the film. It is the latest manifestation of one of Hollywood's sturdiest and most successful conventions: the buddy film.

Such alliances are nothing new; they are part of a wide range of films from "The Defiant Ones" to "Beverly Hills Cop II," that inhabit the American cinematic landscape. What is new, or at least relatively unexplored, is the suggestion of a subtle shift in Hollywood's perception of the black-white experience in the United States.

Several recent, successful all-for-one-but-for-all philosophy films like "The Three Musketeers gone West" — that addresses the biracial buddy formula, albeit in wacky fashion.

But all of these films have thematic origins perhaps beginning with "The Defiant Ones" (1958), directed by Stanley Kramer. In this film, Sidney Poitier and Tony Curtis portray two escaped prisoners shackled together at the wrists.

"Stir Crazy" (1980), Richard Pryor and Gene Wilder starred in this comedy about two bank employees bawling their way into prison after being implicated in a robbery.

"48 Hrs." (1982), Eddie Murphy and Nick Nolte starred in this crime adventure story of a San Francisco cop (Nolte) forced to form a fragile alliance with a streetwise convict (Murphy). Directed by Walter Hill, the film

was acclaimed for vigorous characterization and gritty realism. "Crossroads" (1986), Ralph Macchio and Joe Seneca starred as a duo of musicians — one a cocky Juilliard-trained guitarist, the other an irascible blues veteran — who team up for a trip to the blues country of Mississippi.

"Running Scared" (1986), Billy Crystal and Gregory Hines are two Chicago cops fantasizing about getting out of the law-enforcement business and retiring to a life in Florida.

"Round Midnight" (1986), Dexter Gordon and François Cluzet star in a story based on the real-life relationship between the jazz great Bud Powell and Francis Paudras, the young French designer who befriended him in Europe. This Academy Award-winning film, directed by Bertrand Tavernier, is one of the more recent, and more poignant, evocations of the buddy form.

"Beverly Hills Cop II." Reprising his "Beverly Hills Cop" role as Axel Foley, a brash Detroit police detective, Eddie Murphy returns to Beverly Hills seeking the assailant of the police chief Murphy befriended in the original "Cop." In the course of the film, which has grossed \$83.9 million in the United States since opening May 20, Murphy re-establishes old ties with characters portrayed by Judge Reinhold, John Ashton and Ronny Cox.

The relationship between them, several officers and a modern all-for-one-but-for-all philosophy — the Three Musketeers gone West — that addresses the biracial buddy formula, albeit in wacky fashion.

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Buddies, black and white: Gregory Hines and Billy Crystal in "Running Scared," (above); Danny Glover and Mel Gibson in "Lethal Weapon."

Inherent in their bondage is an expression of interdependence, a theme that was not lost on some critics. Bosley Crowther of The New York Times called the film "a strong, stark symbolization of an abstract truth" and "a remarkably apt and dramatic visualization of a social idea — the idea of men of different races brought together to face misfortune in a bond of brotherhood. Each is the victim of cruel oppressions, each has his hopes and dreams."

That is, with little or no attention to ethnic status. Good Silver was co-producer of "48 Hrs.," a film that garnered more than \$77 million in showings in American theaters. Now, nearly five years later, "Lethal Weapon," a film with much the same formula — a protagonist of different races in a police thriller — may eclipse the drawing power of "48 Hrs." at the box office. "Lethal Weapon," which Silver also co-produced, has earned over \$58 million in the United States and Canada since opening March 6. "You hope and pray that there will be chemistry between your

stars," Silver said. "You get a good director, a good premise, with funny moments and good action. If it all works, then you've got a hit movie. With Mel (Gibson) and Danny (Glover), it works."

Silver admits to a preference for varied casts — "I like a lot of color in my movies, Asian actors, Latin actors, black actors" — but insists that his films do not deliberately observe a racial quota.

"The original cast for '48 Hrs.' was to be Lee Marvin and Gene Hackman," he said.

Harlan Jacobsen, co-editor of Film Comment magazine, disagrees. "I don't think any producer wants to create a controversial story along racial lines, a story of a wrong that might prove to be on the cutting edge of people's thinking. That would be box-office poison."

But if people say they are not cognizant that they're pairing a black actor with a white actor, they're not being entirely forthcoming about the chemistry that ultimately translates into marketing strategy.

"It's clear that Hollywood is staying away from racial topics," Jacobsen said. "Most of these pairings cater to some desire to see blacks and whites together, but many movies give people permission to have their stereotypes. These films also cater to our pre-conceptions — and they're marketed that way."

PEOPLE
Béjart, Dance Company, To Move From Brussels
Maurice Béjart, founder and director of the Brussels-based Ballet of the 20th Century, confirmed that he would leave Brussels when his contract expires at the end of this month and move his 60-member company to Lausanne, Switzerland.

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